



STL Sacramento
880 Riverside Parkway
West Sacramento, CA 95605

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www.stl-inc.com

April 29, 2006

STL SACRAMENTO PROJECT NUMBER: G6D190170
PO/CONTRACT: 129682.001/Event 74

Guy Graening
Brown and Caldwell
10540 White Rock Road
Suite 180
Rancho Cordova, CA 95670

Dear Mr. Graening,

This report contains the analytical results for the samples received under chain of custody by STL Sacramento on April 19, 2006. These samples are associated with your Event 74 project.

The test results in this report meet all NELAC requirements for parameters that accreditation is required or available. Any exceptions to NELAC requirements are noted in the case narrative. The case narrative is an integral part of this report.

If you have any questions, please feel free to call me at (916) 374-4384.

Sincerely,

Karen Dahl
Project Manager

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STL Sacramento Quality Assurance Program

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Chain of Custody Documentation

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 Sample Data Sheet

 Method Blank Report

 Laboratory QC Reports

AIR, PM-10

Samples: 1, 2, 3, 4, 5, 6, 7

AIR, TSP

Samples: 8, 9, 10, 11, 12, 13, 14

 Sample Data Sheet

CASE NARRATIVE

STL SACRAMENTO PROJECT NUMBER G6D190170

AIR, TSP

The final weight for sample 000429 was less than the initial weight so this result was reported as 'ND'.

There were no other anomalies associated with this project.

STL Sacramento Certifications/Accreditations

Certifying State	Certificate #	Certifying State	Certificate #
Alaska	UST-055	Oregon*	CA 200005
Arizona	AZ0616	Pennsylvania	68-1272
Arkansas	04-067-0	South Carolina	87014002
California*	01119CA	Texas	TX 270-2004A
Colorado	NA	Utah*	QUAN1
Connecticut	PH-0691	Virginia	00178
Florida*	E87570	Washington	C087
Georgia	960	West Virginia	9930C-334
Hawaii	NA	Wisconsin	998204680
Louisiana*	01944	NFESC	NA
Michigan	9947	USACE	NA
Nevada	CA44	USDA Foreign Plant	37-82605
New Jersey*	CA005	USDA Foreign Soil	S-46613
New York*	11666		

*NELAP accredited. A more detailed parameter list is available upon request. Update 1/27/05

QC Parameter Definitions

QC Batch: The QC batch consists of a set of up to 20 field samples that behave similarly (i.e., same matrix) and are processed using the same procedures, reagents, and standards at the same time.

Method Blank: An analytical control consisting of all reagents, which may include internal standards and surrogates, and is carried through the entire analytical procedure. The method blank is used to define the level of laboratory background contamination.

Laboratory Control Sample and Laboratory Control Sample Duplicate (LCS/LCSD):

An aliquot of blank matrix spiked with known amounts of representative target analytes. The LCS (and LCSD as required) is carried through the entire analytical process and is used to monitor the accuracy of the analytical process independent of potential matrix effects. If an LCSD is performed, it may also be used to evaluate the precision of the process.

Duplicate Sample (DU): Different aliquots of the same sample are analyzed to evaluate the precision of an analysis.

Surrogates: Organic compounds not expected to be detected in field samples, which behave similarly to target analytes. These are added to every sample within a batch at a known concentration to determine the efficiency of the sample preparation and analytical process.

Matrix Spike and Matrix Spike Duplicate (MS/MSD): An MS is an aliquot of a matrix fortified with known quantities of specific compounds and subjected to an entire analytical procedure in order to indicate the appropriateness of the method for a particular matrix. The percent recovery for the respective compound(s) is then calculated. The MSD is a second aliquot of the same matrix as the matrix spike, also spiked, in order to determine the precision of the method.

Isotope Dilution: For isotope dilution methods, isotopically labeled analogs (internal standards) of the native target analytes are spiked into the sample at time of extraction. These internal standards are used for quantitation, and monitor and correct for matrix effects. Since matrix effects on method performance can be judged by the recovery of these analogs, there is little added benefit of performing MS/MSD for these methods. MS/MSD are only performed for client or QAPP requirements.

Control Limits: The reported control limits are either based on laboratory historical data, method requirements, or project data quality objectives. The control limits represent the estimated uncertainty of the test results.

Sample Summary

G6D190170

<u>WO#</u>	<u>Sample #</u>	<u>Client Sample ID</u>	<u>Sampling Date</u>	<u>Received Date</u>
H3KFF	1	P-0591	4/14/2006 09:05 AM	4/19/2006 09:15 AM
H3KFG	2	P-0592	4/14/2006 09:25 AM	4/19/2006 09:15 AM
H3KFH	3	P-0593	4/14/2006 09:35 AM	4/19/2006 09:15 AM
H3KJF	4	P-0594	4/14/2006 09:55 AM	4/19/2006 09:15 AM
H3KFL	5	P-0595	4/14/2006 10:20 AM	4/19/2006 09:15 AM
H3KFM	6	P-0596	4/14/2006 10:30 AM	4/19/2006 09:15 AM
H3KFP	7	P-0597	4/14/2006 09:10 AM	4/19/2006 09:15 AM
H3KFQ	8	000423	4/14/2006 09:15 AM	4/19/2006 09:15 AM
H3KFR	9	000424	4/14/2006 09:20 AM	4/19/2006 09:15 AM
H3KFT	10	000425	4/14/2006 09:40 AM	4/19/2006 09:15 AM
H3KFW	11	000426	4/14/2006 10:00 AM	4/19/2006 09:15 AM
H3KFW	12	000427	4/14/2006 10:15 AM	4/19/2006 09:15 AM
H3KFX	13	000428	4/14/2006 10:35 AM	4/19/2006 09:15 AM
H3KF0	14	000429	4/14/2006 10:05 AM	4/19/2006 09:15 AM

Notes(s):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity, pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight

BROWN AND CALDWELL

CHAIN OF CUSTODY RECORD

COC No. _____

Event 74

3264 Goni Road / Suite 153
Carson City, NV 89706
775-883-4118 / FAX 775-883-5108

4425 W. Spring Mountain Road / Suite 225
Las Vegas, NV 89102
702-938-4080 / FAX 702-938-4082

201 East Washington Street / Suite 147
Phoenix, AZ 85004
602-367-4000 / FAX 602-567-4001

G6D190170

PROJECT NAME: Yerington Air Qlty
PROJECT NUMBER: 121243

PROJECT NAME & ADDRESS: SEVERN TRENT LABS, WEST SACRAMENTO,

LINE NO.	SAMPLE - I.D.	COLLECTION		TYPE AND SIZE AND CONTAINER	PRESERVE	MATRIX CODE	ANALYSES REQUESTED	FIELD FILTERED	QC - REQ	SAMPLING METHOD	DEPTH (FT.) BEGIN END	PID READING (ppm)
		DATE	TIME									
01	P-0591	9/14/05	9:05 AM	1	8x10 Filter	NONE	A (234,235,238), Metals(Client List)	—	—	—	—	—
02	P-0592	9/25	1	8x10 Filter	NONE	A (234,235,238), Metals(Client List)	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U	—	—	—	—	—
03	P-0593	9/25	1	8x10 Filter	NONE	A (234,235,238), Metals(Client List)	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U	—	—	—	—	—
04	P-0594	9/25	1	8x10 Filter	NONE	A (234,235,238), Metals(Client List)	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U	—	—	—	—	—
05	P-0595	10/20	1	8x10 Filter	NONE	A (234,235,238), Metals(Client List)	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U	—	—	—	—	—
06	P-0596	10/30	1	8x10 Filter	NONE	A (234,235,238), Metals(Client List)	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U	—	—	—	—	—
07	P-0597	10/10	1	8x10 Filter	NONE	A (234,235,238), Metals(Client List)	PM-10, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U	—	—	—	—	—
08												
09												
10												
COLLECTED & RELEASED BY:		DATE	TIME	COOLER I.D.:		RELINQUISHED BY:		COMMENTS (see note on back):				
<i>John Schuman</i>		4/16/06	10:05									
RECEIVED BY:		DATE	TIME									
<i>Chengmei</i>		4/16/06	09:45									
RECORD RETURNED BY:		DATE	TIME									
<i>FED L</i>		/ /	:									
COURIER:												

BROWN AND CALDWELL

CHAIN OF CUSTODY RECORD

COC No. _____

Event 74

4425 W. Spring Mountain Road / Suite 225

3264 Goni Road / Suite 153
 Carson City, NV 89706
 775-883-4118 / FAX 775-883-5108

□ 4425 W. Spring Mountain Road / Suite 225
 Las Vegas, NV 89102
 702-938-4080 / FAX 702-938-4082

□ 201 East Washington Street / Suite YER A000148
 Phoenix, AZ 85004
 602-567-4000 / FAX 602-567-4001

PROJECT NAME: Yerington Air Qlty
 PROJECT NUMBER: 121243

						LABORATORY NAME & ADDRESS:		SEVERN TRENT LABS, WEST SACRAMENTO, CA						
LINE NO.	SAMPLE - I.D.	COLLECTION DATE	TIME	SAMPLERS	INITIALS	CONTAINER SIZE AND NUMBER OF CONTAINERS	VOLUME PRESERVE	MATRIX CODE	ANALYSES REQUESTED	TAT	SAMPLING METHOD	DEPTH (FT.) BEGIN	DEPTH (FT.) END	ID READING (ppm)
01	-000423	4/1/00	9:15 AM	1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			—	—	—	
02	-000424	4/1/00	9:20	1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			—	—	—	
03	-000425	4/1/00	9:40	1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			—	—	—	
04	-000426	4/1/00	10:00	1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			—	—	—	
05	-000427	4/1/00	10:15	1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			—	—	—	
06	-000428	4/1/00	10:35	1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			—	—	—	
07	-000429	4/1/00	10:05	1	8x10 Filter	NONE	A	TSP, Gross Alpha/Beta, Th(228,230,232), Ra(226,228), U (234,235,238), Metals(Client List)			—	—	—	
08												—	—	—
09												—	—	—
10												—	—	—
COPIED & RELEASED BY:		DATE:		TIME:		COOLER I.D.:		RELINQUISHED BY:		COMMENTS (see note on back):		<i>JW</i>		
RECEIVED BY:		DATE:		TIME:										
COURIER: <i>FED EX</i>		DATE / /		TIME : :		SHIPPING NUMBER: 70397686478		DATE / /		TIME : :				

DISTRIBUTION: WHITE - PROJECT FILE • CANARY - LAB RECEIPT • PINK - DATA MANAGEMENT • GOLDENROD - FIELD
 USE A BALLPOINT PEN, BLACK INK, AND PRESS FIRMLY. INSTRUCTIONS ARE ON THE BACK.

CLIENT Brown & Caldwell PM ED LOG # 38341LOT# (QUANTIMS ID) G6D190170 QUOTE# 62684 LOCATION ACDATE RECEIVED 4/19/06 TIME RECEIVED 0915 Initials dw Date 4/19/06

DELIVERED BY FEDEX CA OVERNIGHT CLIENT
 AIRBORNE GOLDENSTATE DHL
 UPS BAX GLOBAL GO-GETTERS
 STL COURIER COURIERS ON DEMAND
 OTHER

CUSTODY SEAL STATUS INTACT BROKEN N/A

CUSTODY SEAL #(S) _____

SHIPPING CONTAINER(S) STL CLIENT N/ATEMPERATURE RECORD (IN °C) IR 1 3 OTHER N/A

COC #(S) _____

TEMPERATURE BLANK Observed: _____ Corrected: _____

SAMPLE TEMPERATURE

Observed: Ambient Average: _____ Corrected Average: _____COLLECTOR'S NAME: Verified from COC Not on COCpH MEASURED YES ANOMALY N/A

LABELED BY _____

LABELS CHECKED BY _____

PEER REVIEW NA

SHORT HOLD TEST NOTIFICATION

SAMPLE RECEIVING

WETCHEM N/AVOA-ENCORES N/A METALS NOTIFIED OF FILTER/PRESERVE VIA VERBAL & EMAIL N/A COMPLETE SHIPMENT RECEIVED IN GOOD CONDITION WITH APPROPRIATE TEMPERATURES, CONTAINERS, PRESERVATIVES N/A Clouseau TEMPERATURE EXCEEDED (2 °C – 6 °C)*1 N/A WET ICE BLUE ICE CEL PACK NO COOLING AGENTS USED PM NOTIFIED

Notes: _____

Lot

ID: G6D19D170

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
VOA*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
VOAh*	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	
AGB																				
AGBs																				
250AGB																				
250AGBs																				
250AGBn																				
500AGB																				
AGJ																				
500AGJ																				
250AGJ																				
125AGJ																				
CGJ																				
500CGJ																				
250CGJ																				
125CGJ																				
PJ																				
PJn																				
500PJ																				
500PJn																				
500PJna																				
500PJzn/na																				
250PJ																				
250PJn																				
250PJna																				
250PJzn/na																				
Acetate Tube																				
"CT																				
Encore																				
Folder/filter	/																			
PUF	/																			
Petri/Filter																				
XAD Trap																				
Ziploc																				

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

h = hydrochloric acid s = sulfuric acid na = sodium hydroxide n = nitric acid zn = zinc acetate

Number of VOAs with air bubbles present / total number of VOAs

QA-185 5/05 EM

Page 3

AIR, Metals – Various Methods

Brown and Caldwell

Client Sample ID: P-0591

TOTAL Metals

Lot-Sample #...: G6D190170-001 Matrix.....: AIR
Date Sampled...: 04/14/06 Date Received..: 04/19/06

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 6116311						
Mercury	0.016 B,J	0.12	ug	SW846 7471A	04/27/06	H3KFF1A1
Dilution Factor: 1						
Prep Batch #...: 6116334						
Silver	0.026 B	1.2	ug	SW846 6020	04/25-04/26/06	H3KFF1AH
Dilution Factor: 1						
Arsenic	ND	3.6	ug	SW846 6020	04/25-04/26/06	H3KFF1AJ
Dilution Factor: 1						
Barium	ND	120	ug	SW846 6020	04/25-04/26/06	H3KFF1AK
Dilution Factor: 1						
Beryllium	ND	1.2	ug	SW846 6020	04/25-04/26/06	H3KFF1AL
Dilution Factor: 1						
Cadmium	ND	1.2	ug	SW846 6020	04/25-04/26/06	H3KFF1AM
Dilution Factor: 1						
Cobalt	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KFF1AN
Dilution Factor: 1						
Chromium	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KFF1AP
Dilution Factor: 1						
Copper	38.7	6.0	ug	SW846 6020	04/25-04/26/06	H3KFF1AQ
Dilution Factor: 1						
Manganese	4.8 B	6.0	ug	SW846 6020	04/25-04/26/06	H3KFF1AR
Dilution Factor: 1						
Molybdenum	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KFF1AT
Dilution Factor: 1						
Nickel	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KFF1AU
Dilution Factor: 1						
Lead	1.0 B	1.2	ug	SW846 6020	04/25-04/26/06	H3KFF1AV
Dilution Factor: 1						

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0591

TOTAL Metals

Lot-Sample #....: G6D190170-001

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Selenium	ND	3.6	ug	SW846 6020	04/25-04/26/06	H3KFF1AW	
		Dilution Factor: 1		MDL.....: 1.7			
Vanadium	3.2 B,J	12.0	ug	SW846 6020	04/25-04/26/06	H3KFF1AX	
		Dilution Factor: 1		MDL.....: 2.9			
Zinc	ND	24.0	ug	SW846 6020	04/25-04/26/06	H3KFF1A0	
		Dilution Factor: 1		MDL.....: 6.2			

Prep Batch #....: 6116343

Aluminum	103 B	240	ug	SW846 6010B	04/25-04/28/06	H3KFF1AC
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	04/25-04/28/06	H3KFF1AD
		Dilution Factor: 1		MDL.....: 898		
Iron	128	120	ug	SW846 6010B	04/25-04/28/06	H3KFF1AE
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	110 B	600	ug	SW846 6010B	04/25-04/28/06	H3KFF1AF
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	04/25-04/28/06	H3KFF1AG
		Dilution Factor: 1		MDL.....: 2020		

NOTE(S) :

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: P-0592

TOTAL Metals

Lot-Sample #....: G6D190170-002

Matrix.....: AIR

Date Sampled...: 04/14/06

Date Received..: 04/19/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....:	6116311					
Mercury	0.011 B,J	0.12	ug	SW846 7471A	04/27/06	H3KFG1AC
		Dilution Factor: 1		MDL.....: 0.00036		
Prep Batch #....:	6116334					
Silver	0.025 B	1.2	ug	SW846 6020	04/25-04/26/06	H3KFG1AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	04/25-04/26/06	H3KFG1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	04/25-04/26/06	H3KFG1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	04/25-04/26/06	H3KFG1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	04/25-04/26/06	H3KFG1AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KFG1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KFG1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	49.4	6.0	ug	SW846 6020	04/25-04/26/06	H3KFG1AT
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	5.9 B	6.0	ug	SW846 6020	04/25-04/26/06	H3KFG1AU
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KFG1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KFG1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	1.2	1.2	ug	SW846 6020	04/25-04/26/06	H3KFG1AX
		Dilution Factor: 1		MDL.....: 0.34		

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0592

TOTAL Metals

Lot-Sample #....: G6D190170-002

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Selenium	ND	3.6	ug	SW846 6020	04/25-04/26/06	H3KFG1A0	
		Dilution Factor: 1		MDL.....: 1.7			
Vanadium	3.3 B,J	12.0	ug	SW846 6020	04/25-04/26/06	H3KFG1A1	
		Dilution Factor: 1		MDL.....: 2.9			
Zinc	ND	24.0	ug	SW846 6020	04/25-04/26/06	H3KFG1AA	
		Dilution Factor: 1		MDL.....: 6.2			

Prep Batch #....: 6116343

Aluminum	110 B	240	ug	SW846 6010B	04/25-04/28/06	H3KFG1AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	04/25-04/28/06	H3KFG1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	132	120	ug	SW846 6010B	04/25-04/28/06	H3KFG1AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	109 B	600	ug	SW846 6010B	04/25-04/28/06	H3KFG1AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	04/25-04/28/06	H3KFG1AJ
		Dilution Factor: 1		MDL.....: 2020		

NOTE(S) :

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: P-0593

TOTAL Metals

Lot-Sample #....: G6D190170-003

Matrix.....: AIR

Date Sampled....: 04/14/06

Date Received...: 04/19/06

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #....: 6116311						
Mercury	0.024 B,J	0.12	ug	SW846 7471A	04/27/06	H3KFH1AC
Dilution Factor: 1						
Prep Batch #....: 6116334						
Silver	0.033 B	1.2	ug	SW846 6020	04/25-04/26/06	H3KFH1AK
Dilution Factor: 1						
Arsenic						
Arsenic	ND	3.6	ug	SW846 6020	04/25-04/26/06	H3KFH1AL
Dilution Factor: 1						
Barium						
Barium	ND	120	ug	SW846 6020	04/25-04/26/06	H3KFH1AM
Dilution Factor: 1						
Beryllium						
Beryllium	0.015 B	1.2	ug	SW846 6020	04/25-04/26/06	H3KFH1AN
Dilution Factor: 1						
Cadmium						
Cadmium	ND	1.2	ug	SW846 6020	04/25-04/26/06	H3KFH1AP
Dilution Factor: 1						
Cobalt						
Cobalt	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KFH1AQ
Dilution Factor: 1						
Chromium						
Chromium	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KFH1AR
Dilution Factor: 1						
Copper						
Copper	52.2	6.0	ug	SW846 6020	04/25-04/26/06	H3KFH1AT
Dilution Factor: 1						
Manganese						
Manganese	5.4 B	6.0	ug	SW846 6020	04/25-04/26/06	H3KFH1AU
Dilution Factor: 1						
Molybdenum						
Molybdenum	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KFH1AV
Dilution Factor: 1						
Nickel						
Nickel	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KFH1AW
Dilution Factor: 1						
Lead						
Lead	1.2	1.2	ug	SW846 6020	04/25-04/26/06	H3KFH1AX
Dilution Factor: 1						

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0593

TOTAL Metals

Lot-Sample #....: G6D190170-003

Matrix.....: AIR

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>			<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>	<u>Dilution Factor:</u>			
Selenium	ND	3.6	ug	1	SW846 6020	04/25-04/26/06	H3KFH1A0
				Dilution Factor: 1	MDL.....: 1.7		
Vanadium	3.1 B,J	12.0	ug	1	SW846 6020	04/25-04/26/06	H3KFH1A1
				Dilution Factor: 1	MDL.....: 2.9		
Zinc	ND	24.0	ug	1	SW846 6020	04/25-04/26/06	H3KFH1AA
				Dilution Factor: 1	MDL.....: 6.2		
Prep Batch #....: 6116343							
Aluminum	123 B	240	ug	1	SW846 6010B	04/25-04/28/06	H3KFH1AE
				Dilution Factor: 1	MDL.....: 40.8		
Calcium	ND	3000	ug	1	SW846 6010B	04/25-04/28/06	H3KFH1AF
				Dilution Factor: 1	MDL.....: 898		
Iron	155	120	ug	1	SW846 6010B	04/25-04/28/06	H3KFH1AG
				Dilution Factor: 1	MDL.....: 14.4		
Magnesium	149 B	600	ug	1	SW846 6010B	04/25-04/28/06	H3KFH1AH
				Dilution Factor: 1	MDL.....: 97.2		
Sodium	ND	6000	ug	1	SW846 6010B	04/25-04/28/06	H3KFH1AJ
				Dilution Factor: 1	MDL.....: 2020		

NOTE(S) :

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: P-0594

TOTAL Metals

Lot-Sample #....: G6D190170-004

Matrix.....: AIR

Date Sampled...: 04/14/06

Date Received..: 04/19/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....:	6116311					
Mercury	0.016 B,J	0.12	ug	SW846 7471A	04/27/06	H3KFJ1AC
		Dilution Factor: 1		MDL.....: 0.00036		
Prep Batch #....:	6116334					
Silver	0.039 B	1.2	ug	SW846 6020	04/25-04/26/06	H3KFJ1AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	04/25-04/26/06	H3KFJ1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	04/25-04/26/06	H3KFJ1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	04/25-04/26/06	H3KFJ1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	04/25-04/26/06	H3KFJ1AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KFJ1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KFJ1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	61.2	6.0	ug	SW846 6020	04/25-04/26/06	H3KFJ1AT
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	6.4	6.0	ug	SW846 6020	04/25-04/26/06	H3KFJ1AU
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KFJ1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KFJ1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	1.3	1.2	ug	SW846 6020	04/25-04/26/06	H3KFJ1AX
		Dilution Factor: 1		MDL.....: 0.34		

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0594

TOTAL Metals

Lot-Sample #....: G6D190170-004

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS	Dilution Factor:			
Selenium	ND	3.6	ug	1	SW846 6020	04/25-04/26/06	H3KFJ1A0
				Dilution Factor: 1	MDL.....: 1.7		
Vanadium	3.3 B,J	12.0	ug	1	SW846 6020	04/25-04/26/06	H3KFJ1A1
				Dilution Factor: 1	MDL.....: 2.9		
Zinc	ND	24.0	ug	1	SW846 6020	04/25-04/26/06	H3KFJ1AA
				Dilution Factor: 1	MDL.....: 6.2		
Prep Batch #....: 6116343							
Aluminum	129 B	240	ug	1	SW846 6010B	04/25-04/28/06	H3KFJ1AE
				Dilution Factor: 1	MDL.....: 40.8		
Calcium	ND	3000	ug	1	SW846 6010B	04/25-04/28/06	H3KFJ1AF
				Dilution Factor: 1	MDL.....: 898		
Iron	174	120	ug	1	SW846 6010B	04/25-04/28/06	H3KFJ1AG
				Dilution Factor: 1	MDL.....: 14.4		
Magnesium	127 B	600	ug	1	SW846 6010B	04/25-04/28/06	H3KFJ1AH
				Dilution Factor: 1	MDL.....: 97.2		
Sodium	ND	6000	ug	1	SW846 6010B	04/25-04/28/06	H3KFJ1AJ
				Dilution Factor: 1	MDL.....: 2020		

NOTE(S) :

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: P-0595

TOTAL Metals

Lot-Sample #....: G6D190170-005

Matrix.....: AIR

Date Sampled...: 04/14/06

Date Received..: 04/19/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....:	6116311					
Mercury	0.0066 B,J	0.12	ug	SW846 7471A	04/27/06	H3KFL1AC
		Dilution Factor: 1		MDL.....: 0.00036		
Prep Batch #....:	6116334					
Silver	0.027 B	1.2	ug	SW846 6020	04/25-04/26/06	H3KFL1AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	04/25-04/26/06	H3KFL1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	04/25-04/26/06	H3KFL1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	04/25-04/26/06	H3KFL1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	04/25-04/26/06	H3KFL1AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KFL1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KFL1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	29.8	6.0	ug	SW846 6020	04/25-04/26/06	H3KFL1AT
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	5.7 B	6.0	ug	SW846 6020	04/25-04/26/06	H3KFL1AU
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KFL1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KFL1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	1.3	1.2	ug	SW846 6020	04/25-04/26/06	H3KFL1AX
		Dilution Factor: 1		MDL.....: 0.34		

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0595

TOTAL Metals

Lot-Sample #....: G6D190170-005

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Selenium	ND	3.6	ug		SW846 6020	04/25-04/26/06	H3KFL1A0
		Dilution Factor: 1			MDL.....: 1.7		
Vanadium	3.2 B,J	12.0	ug		SW846 6020	04/25-04/26/06	H3KFL1A1
		Dilution Factor: 1			MDL.....: 2.9		
Zinc	ND	24.0	ug		SW846 6020	04/25-04/26/06	H3KFL1AA
		Dilution Factor: 1			MDL.....: 6.2		
Prep Batch #....: 6116343							
Aluminum	124 B	240	ug		SW846 6010B	04/25-04/28/06	H3KFL1AE
		Dilution Factor: 1			MDL.....: 40.8		
Calcium	ND	3000	ug		SW846 6010B	04/25-04/28/06	H3KFL1AF
		Dilution Factor: 1			MDL.....: 898		
Iron	150	120	ug		SW846 6010B	04/25-04/28/06	H3KFL1AG
		Dilution Factor: 1			MDL.....: 14.4		
Magnesium	123 B	600	ug		SW846 6010B	04/25-04/28/06	H3KFL1AH
		Dilution Factor: 1			MDL.....: 97.2		
Sodium	ND	6000	ug		SW846 6010B	04/25-04/28/06	H3KFL1AJ
		Dilution Factor: 1			MDL.....: 2020		

NOTE(S) :

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: P-0596

TOTAL Metals

Lot-Sample #....: G6D190170-006

Matrix.....: AIR

Date Sampled...: 04/14/06

Date Received..: 04/19/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....:	6116311					
Mercury	0.019 B,J	0.12	ug	SW846 7471A	04/27/06	H3KFM1AC
		Dilution Factor: 1		MDL.....: 0.00036		
Prep Batch #....:	6116334					
Silver	0.029 B	1.2	ug	SW846 6020	04/25-04/26/06	H3KFM1AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	04/25-04/26/06	H3KFM1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	04/25-04/26/06	H3KFM1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	0.012 B	1.2	ug	SW846 6020	04/25-04/26/06	H3KFM1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	04/25-04/26/06	H3KFM1AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KFM1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KFM1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	35.5	6.0	ug	SW846 6020	04/25-04/26/06	H3KFM1AT
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	5.7 B	6.0	ug	SW846 6020	04/25-04/26/06	H3KFM1AU
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KFM1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KFM1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	1.1 B	1.2	ug	SW846 6020	04/25-04/26/06	H3KFM1AX
		Dilution Factor: 1		MDL.....: 0.34		

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0596

TOTAL Metals

Lot-Sample #....: G6D190170-006

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS	Dilution Factor:					
Selenium	ND	3.6	ug	1	SW846 6020	MDL.....: 1.7		04/25-04/26/06	H3KFM1AO
Vanadium	3.1 B,J	12.0	ug	1	SW846 6020	MDL.....: 2.9		04/25-04/26/06	H3KFM1A1
Zinc	ND	24.0	ug	1	SW846 6020	MDL.....: 6.2		04/25-04/26/06	H3KFM1AA
<hr/>									
Prep Batch #....: 6116343									
Aluminum	126 B	240	ug	1	SW846 6010B	MDL.....: 40.8		04/25-04/28/06	H3KFM1AE
Calcium	ND	3000	ug	1	SW846 6010B	MDL.....: 898		04/25-04/28/06	H3KFM1AF
Iron	147	120	ug	1	SW846 6010B	MDL.....: 14.4		04/25-04/28/06	H3KFM1AG
Magnesium	122 B	600	ug	1	SW846 6010B	MDL.....: 97.2		04/25-04/28/06	H3KFM1AH
Sodium	ND	6000	ug	1	SW846 6010B	MDL.....: 2020		04/25-04/28/06	H3KFM1AJ

NOTE(S) :

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: P-0597

TOTAL Metals

Lot-Sample #....: G6D190170-007
 Date Sampled...: 04/14/06

Matrix.....: AIR

Date Received...: 04/19/06

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>			<u>METHOD</u>	<u>PREPARATION-</u> <u>ANALYSIS DATE</u>	<u>WORK</u> <u>ORDER #</u>
		<u>LIMIT</u>	<u>UNITS</u>	<u>Dilution Factor:</u>			
Prep Batch #....: 6116311							
Mercury	0.024 B,J	0.12	ug		SW846 7471A	04/27/06	H3KFP1AC
				Dilution Factor: 1	MDL.....: 0.00036		
Prep Batch #....: 6116334							
Silver	0.043 B	1.2	ug		SW846 6020	04/25-04/26/06	H3KFP1AK
				Dilution Factor: 1	MDL.....: 0.014		
Arsenic	ND	3.6	ug		SW846 6020	04/25-04/26/06	H3KFP1AL
				Dilution Factor: 1	MDL.....: 1.9		
Barium	ND	120	ug		SW846 6020	04/25-04/26/06	H3KFP1AM
				Dilution Factor: 1	MDL.....: 34.8		
Beryllium	ND	1.2	ug		SW846 6020	04/25-04/26/06	H3KFP1AN
				Dilution Factor: 1	MDL.....: 0.0084		
Cadmium	ND	1.2	ug		SW846 6020	04/25-04/26/06	H3KFP1AP
				Dilution Factor: 1	MDL.....: 0.054		
Cobalt	ND	12.0	ug		SW846 6020	04/25-04/26/06	H3KFP1AQ
				Dilution Factor: 1	MDL.....: 3.7		
Chromium	ND	12.0	ug		SW846 6020	04/25-04/26/06	H3KFP1AR
				Dilution Factor: 1	MDL.....: 10.3		
Copper	56.5	6.0	ug		SW846 6020	04/25-04/26/06	H3KFP1AT
				Dilution Factor: 1	MDL.....: 2.9		
Manganese	5.3 B	6.0	ug		SW846 6020	04/25-04/26/06	H3KFP1AU
				Dilution Factor: 1	MDL.....: 1.9		
Molybdenum	ND	6.0	ug		SW846 6020	04/25-04/26/06	H3KFP1AV
				Dilution Factor: 1	MDL.....: 1.1		
Nickel	ND	6.0	ug		SW846 6020	04/25-04/26/06	H3KFP1AW
				Dilution Factor: 1	MDL.....: 3.5		
Lead	1.2	1.2	ug		SW846 6020	04/25-04/26/06	H3KFP1AX
				Dilution Factor: 1	MDL.....: 0.34		

(Continued on next page)

Brown and Caldwell

Client Sample ID: P-0597

TOTAL Metals

Lot-Sample #....: G6D190170-007

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS	Dilution Factor:			
Selenium	ND	3.6	ug	1	SW846 6020	04/25-04/26/06	H3KFP1A0
				Dilution Factor: 1	MDL.....: 1.7		
Vanadium	3.2 B,J	12.0	ug	1	SW846 6020	04/25-04/26/06	H3KFP1A1
				Dilution Factor: 1	MDL.....: 2.9		
Zinc	ND	24.0	ug	1	SW846 6020	04/25-04/26/06	H3KFP1AA
				Dilution Factor: 1	MDL.....: 6.2		
<hr/>							
Prep Batch #....: 6116343							
Aluminum	111 B	240	ug	1	SW846 6010B	04/25-04/28/06	H3KFP1AE
				Dilution Factor: 1	MDL.....: 40.8		
Calcium	ND	3000	ug	1	SW846 6010B	04/25-04/28/06	H3KFP1AF
				Dilution Factor: 1	MDL.....: 898		
Iron	157	120	ug	1	SW846 6010B	04/25-04/28/06	H3KFP1AG
				Dilution Factor: 1	MDL.....: 14.4		
Magnesium	106 B	600	ug	1	SW846 6010B	04/25-04/28/06	H3KFP1AH
				Dilution Factor: 1	MDL.....: 97.2		
Sodium	ND	6000	ug	1	SW846 6010B	04/25-04/28/06	H3KFP1AJ
				Dilution Factor: 1	MDL.....: 2020		

NOTE(S) :

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: 000423

TOTAL Metals

Lot-Sample #....: G6D190170-008
Date Sampled....: 04/14/06 Date Received...: 04/19/06 Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....:	6116311					
Mercury	0.032 B,J	0.12	ug	SW846 7471A	04/27/06	H3KFQ1A1
		Dilution Factor: 1		MDL.....: 0.00036		
Prep Batch #....:	6116334					
Silver	0.23 B	1.2	ug	SW846 6020	04/25-04/26/06	H3KFQ1AH
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	04/25-04/26/06	H3KFQ1AJ
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	04/25-04/26/06	H3KFQ1AK
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	0.020 B	1.2	ug	SW846 6020	04/25-04/26/06	H3KFQ1AL
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	04/25-04/26/06	H3KFQ1AM
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KFQ1AN
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KFQ1AP
		Dilution Factor: 1		MDL.....: 10.3		
Copper	449	6.0	ug	SW846 6020	04/25-04/26/06	H3KFQ1AQ
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	14.6	6.0	ug	SW846 6020	04/25-04/26/06	H3KFQ1AR
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KFQ1AT
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KFQ1AU
		Dilution Factor: 1		MDL.....: 3.5		
Lead	2.0	1.2	ug	SW846 6020	04/25-04/26/06	H3KFQ1AV
		Dilution Factor: 1		MDL.....: 0.34		

(Continued on next page)

Brown and Caldwell

Client Sample ID: 000423

TOTAL Metals

Lot-Sample #....: G6D190170-008

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS	Dilution Factor:			
Selenium	ND	3.6	ug		SW846 6020	04/25-04/26/06	H3KFQ1AW
		Dilution Factor: 1			MDL.....: 1.7		
Vanadium	3.7 B,J	12.0	ug		SW846 6020	04/25-04/26/06	H3KFQ1AX
		Dilution Factor: 1			MDL.....: 2.9		
Zinc	ND	24.0	ug		SW846 6020	04/25-04/26/06	H3KFQ1A0
		Dilution Factor: 1			MDL.....: 6.2		
Prep Batch #....: 6116343							
Aluminum	370	240	ug		SW846 6010B	04/25-04/28/06	H3KFQ1AC
		Dilution Factor: 1			MDL.....: 40.8		
Calcium	ND	3000	ug		SW846 6010B	04/25-04/28/06	H3KFQ1AD
		Dilution Factor: 1			MDL.....: 898		
Iron	454	120	ug		SW846 6010B	04/25-04/28/06	H3KFQ1AE
		Dilution Factor: 1			MDL.....: 14.4		
Magnesium	276 B	600	ug		SW846 6010B	04/25-04/28/06	H3KFQ1AF
		Dilution Factor: 1			MDL.....: 97.2		
Sodium	ND	6000	ug		SW846 6010B	04/25-04/28/06	H3KFQ1AG
		Dilution Factor: 1			MDL.....: 2020		

NOTE(S) :

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: 000424

TOTAL Metals

Lot-Sample #....:	G6D190170-009			Matrix.....:	AIR
Date Sampled....:	04/14/06			Date Received...:	04/19/06
PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE
Prep Batch #....:	6116311				WORK ORDER #
Mercury	0.019 B,J	0.12	ug	SW846 7471A	04/27/06
		Dilution Factor: 1		MDL.....:	0.00036
Prep Batch #....:	6116334				
Silver	0.15 B	1.2	ug	SW846 6020	04/25-04/26/06 H3KFR1AK
		Dilution Factor: 1		MDL.....:	0.014
Arsenic	ND	3.6	ug	SW846 6020	04/25-04/26/06 H3KFR1AL
		Dilution Factor: 1		MDL.....:	1.9
Barium	ND	120	ug	SW846 6020	04/25-04/26/06 H3KFR1AM
		Dilution Factor: 1		MDL.....:	34.8
Beryllium	0.016 B	1.2	ug	SW846 6020	04/25-04/26/06 H3KFR1AN
		Dilution Factor: 1		MDL.....:	0.0084
Cadmium	ND	1.2	ug	SW846 6020	04/25-04/26/06 H3KFR1AP
		Dilution Factor: 1		MDL.....:	0.054
Cobalt	ND	12.0	ug	SW846 6020	04/25-04/26/06 H3KFR1AQ
		Dilution Factor: 1		MDL.....:	3.7
Chromium	ND	12.0	ug	SW846 6020	04/25-04/26/06 H3KFR1AR
		Dilution Factor: 1		MDL.....:	10.3
Copper	305	6.0	ug	SW846 6020	04/25-04/26/06 H3KFR1AT
		Dilution Factor: 1		MDL.....:	2.9
Manganese	11.9	6.0	ug	SW846 6020	04/25-04/26/06 H3KFR1AU
		Dilution Factor: 1		MDL.....:	1.9
Molybdenum	ND	6.0	ug	SW846 6020	04/25-04/26/06 H3KFR1AV
		Dilution Factor: 1		MDL.....:	1.1
Nickel	ND	6.0	ug	SW846 6020	04/25-04/26/06 H3KFR1AW
		Dilution Factor: 1		MDL.....:	3.5
Lead	1.4	1.2	ug	SW846 6020	04/25-04/26/06 H3KFR1AX
		Dilution Factor: 1		MDL.....:	0.34

(Continued on next page)

Brown and Caldwell

Client Sample ID: 000424

TOTAL Metals

Lot-Sample #....: G6D190170-009

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Selenium	ND	3.6	ug	SW846 6020	04/25-04/26/06	H3KFR1A0	
		Dilution Factor: 1		MDL.....: 1.7			
Vanadium	3.2 B,J	12.0	ug	SW846 6020	04/25-04/26/06	H3KFR1A1	
		Dilution Factor: 1		MDL.....: 2.9			
Zinc	ND	24.0	ug	SW846 6020	04/25-04/26/06	H3KFR1AA	
		Dilution Factor: 1		MDL.....: 6.2			

Prep Batch #....: 6116343

Aluminum	224 B	240	ug	SW846 6010B	04/25-04/28/06	H3KFR1AE
		Dilution Factor: 1		MDL.....: 40.8		
Calcium	ND	3000	ug	SW846 6010B	04/25-04/28/06	H3KFR1AF
		Dilution Factor: 1		MDL.....: 898		
Iron	257	120	ug	SW846 6010B	04/25-04/28/06	H3KFR1AG
		Dilution Factor: 1		MDL.....: 14.4		
Magnesium	191 B	600	ug	SW846 6010B	04/25-04/28/06	H3KFR1AH
		Dilution Factor: 1		MDL.....: 97.2		
Sodium	ND	6000	ug	SW846 6010B	04/25-04/28/06	H3KFR1AJ
		Dilution Factor: 1		MDL.....: 2020		

NOTE(S) :

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: 000425

TOTAL Metals

Lot-Sample #....:	G6D190170-010			Matrix.....:	AIR
Date Sampled....:	04/14/06		Date Received...:	04/19/06	
PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE WORK ORDER #
Prep Batch #....:	6116311				
Mercury	0.041 B,J	0.12	ug	SW846 7471A	04/27/06
		Dilution Factor: 1		MDL.....:	0.00036
Prep Batch #....:	6116334				
Silver	0.15 B	1.2	ug	SW846 6020	04/25-04/26/06 H3KFT1AM
		Dilution Factor: 1		MDL.....:	0.014
Arsenic	ND	3.6	ug	SW846 6020	04/25-04/26/06 H3KFT1AN
		Dilution Factor: 1		MDL.....:	1.9
Barium	ND	120	ug	SW846 6020	04/25-04/26/06 H3KFT1AP
		Dilution Factor: 1		MDL.....:	34.8
Beryllium	0.016 B	1.2	ug	SW846 6020	04/25-04/26/06 H3KFT1AQ
		Dilution Factor: 1		MDL.....:	0.0084
Cadmium	0.061 B	1.2	ug	SW846 6020	04/25-04/26/06 H3KFT1AR
		Dilution Factor: 1		MDL.....:	0.054
Cobalt	ND	12.0	ug	SW846 6020	04/25-04/26/06 H3KFT1AT
		Dilution Factor: 1		MDL.....:	3.7
Chromium	ND	12.0	ug	SW846 6020	04/25-04/26/06 H3KFT1AU
		Dilution Factor: 1		MDL.....:	10.3
Copper	277	6.0	ug	SW846 6020	04/25-04/26/06 H3KFT1AV
		Dilution Factor: 1		MDL.....:	2.9
Manganese	13.7	6.0	ug	SW846 6020	04/25-04/26/06 H3KFT1AW
		Dilution Factor: 1		MDL.....:	1.9
Molybdenum	ND	6.0	ug	SW846 6020	04/25-04/26/06 H3KFT1AX
		Dilution Factor: 1		MDL.....:	1.1
Nickel	ND	6.0	ug	SW846 6020	04/25-04/26/06 H3KFT1AO
		Dilution Factor: 1		MDL.....:	3.5
Lead	2.5	1.2	ug	SW846 6020	04/25-04/26/06 H3KFT1AI
		Dilution Factor: 1		MDL.....:	0.34

(Continued on next page)

Brown and Caldwell

Client Sample ID: 000425

TOTAL Metals

Lot-Sample #...: G6D190170-010

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS	Dilution Factor:			
Selenium	ND	3.6	ug	1	SW846 6020	04/25-04/26/06	H3KFT1AA
				Dilution Factor: 1	MDL.....: 1.7		
Vanadium	3.7 B,J	12.0	ug	1	SW846 6020	04/25-04/26/06	H3KFT1AC
				Dilution Factor: 1	MDL.....: 2.9		
Zinc	9.9 B	24.0	ug	1	SW846 6020	04/25-04/26/06	H3KFT1AD
				Dilution Factor: 1	MDL.....: 6.2		

Prep Batch #...: 6116343

Aluminum	334	240	ug	1	SW846 6010B	04/25-04/28/06	H3KFT1AG
				Dilution Factor: 1	MDL.....: 40.8		
Calcium	ND	3000	ug	1	SW846 6010B	04/25-04/28/06	H3KFT1AH
				Dilution Factor: 1	MDL.....: 898		
Iron	442	120	ug	1	SW846 6010B	04/25-04/28/06	H3KFT1AJ
				Dilution Factor: 1	MDL.....: 14.4		
Magnesium	356 B	600	ug	1	SW846 6010B	04/25-04/28/06	H3KFT1AK
				Dilution Factor: 1	MDL.....: 97.2		
Sodium	ND	6000	ug	1	SW846 6010B	04/25-04/28/06	H3KFT1AL
				Dilution Factor: 1	MDL.....: 2020		

NOTE(S) :

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: 000426

TOTAL Metals

Lot-Sample #...: G6D190170-011

Matrix.....: AIR

Date Sampled...: 04/14/06

Date Received...: 04/19/06

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #...: 6116311						
Mercury	0.014 B,J	0.12	ug	SW846 7471A	04/27/06	H3KFV1AC
		Dilution Factor: 1		MDL.....: 0.00036		
Prep Batch #...: 6116334						
Silver	0.25 B	1.2	ug	SW846 6020	04/25-04/26/06	H3KFV1AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	04/25-04/26/06	H3KFV1AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	04/25-04/26/06	H3KFV1AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	0.017 B	1.2	ug	SW846 6020	04/25-04/26/06	H3KFV1AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	0.072 B	1.2	ug	SW846 6020	04/25-04/26/06	H3KFV1AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KFV1AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KFV1AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	454	6.0	ug	SW846 6020	04/25-04/26/06	H3KFV1AT
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	18.2	6.0	ug	SW846 6020	04/25-04/26/06	H3KFV1AU
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KFV1AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KFV1AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	2.1	1.2	ug	SW846 6020	04/25-04/26/06	H3KFV1AX
		Dilution Factor: 1		MDL.....: 0.34		

(Continued on next page)

Brown and Caldwell

Client Sample ID: 000426

TOTAL Metals

Lot-Sample #....: G6D190170-011

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Selenium	ND	3.6	ug	Dilution Factor: 1	SW846 6020 MDL.....: 1.7	04/25-04/26/06	H3Kfv1A0
Vanadium	3.7 B,J	12.0	ug	Dilution Factor: 1	SW846 6020 MDL.....: 2.9	04/25-04/26/06	H3Kfv1A1
Zinc	15.3 B	24.0	ug	Dilution Factor: 1	SW846 6020 MDL.....: 6.2	04/25-04/26/06	H3Kfv1AA
Prep Batch #....: 6116343							
Aluminum	440	240	ug	Dilution Factor: 1	SW846 6010B MDL.....: 40.8	04/25-04/28/06	H3Kfv1AE
Calcium	978 B	3000	ug	Dilution Factor: 1	SW846 6010B MDL.....: 898	04/25-04/28/06	H3Kfv1AF
Iron	542	120	ug	Dilution Factor: 1	SW846 6010B MDL.....: 14.4	04/25-04/28/06	H3Kfv1AG
Magnesium	334 B	600	ug	Dilution Factor: 1	SW846 6010B MDL.....: 97.2	04/25-04/28/06	H3Kfv1AH
Sodium	ND	6000	ug	Dilution Factor: 1	SW846 6010B MDL.....: 2020	04/25-04/28/06	H3Kfv1AJ

NOTE(S) :

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: 000427

TOTAL Metals

Lot-Sample #....: G6D190170-012
Date Sampled...: 04/14/06

Matrix.....: AIR

Date Received...: 04/19/06

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
Prep Batch #....: 6116311						
Mercury	0.021 B,J	0.12	ug	SW846 7471A	04/27/06	H3KFW1AE
		Dilution Factor: 1		MDL.....: 0.00036		
Prep Batch #....: 6116334						
Silver	0.10 B	1.2	ug	SW846 6020	04/25-04/26/06	H3KFW1AM
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	04/25-04/26/06	H3KFW1AN
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	04/25-04/26/06	H3KFW1AP
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	0.022 B	1.2	ug	SW846 6020	04/25-04/26/06	H3KFW1AQ
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	0.069 B	1.2	ug	SW846 6020	04/25-04/26/06	H3KFW1AR
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KFW1AT
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KFW1AU
		Dilution Factor: 1		MDL.....: 10.3		
Copper	181	6.0	ug	SW846 6020	04/25-04/26/06	H3KFW1AV
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	12.4	6.0	ug	SW846 6020	04/25-04/26/06	H3KFW1AW
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KFW1AX
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KFW1AO
		Dilution Factor: 1		MDL.....: 3.5		
Lead	1.9	1.2	ug	SW846 6020	04/25-04/26/06	H3KFW1AI
		Dilution Factor: 1		MDL.....: 0.34		

(Continued on next page)

Brown and Caldwell

Client Sample ID: 000427

TOTAL Metals

Lot-Sample #...: G6D190170-012

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Selenium	ND	3.6	ug	SW846 6020	MDL.....: 1.7	04/25-04/26/06	H3KFW1AA
		Dilution Factor: 1					
Vanadium	3.6 B,J	12.0	ug	SW846 6020	MDL.....: 2.9	04/25-04/26/06	H3KFW1AC
		Dilution Factor: 1					
Zinc	ND	24.0	ug	SW846 6020	MDL.....: 6.2	04/25-04/26/06	H3KFW1AD
		Dilution Factor: 1					
Prep Batch #...: 6116343							
Aluminum	296	240	ug	SW846 6010B	MDL.....: 40.8	04/25-04/28/06	H3KFW1AG
		Dilution Factor: 1					
Calcium	ND	3000	ug	SW846 6010B	MDL.....: 898	04/25-04/28/06	H3KFW1AH
		Dilution Factor: 1					
Iron	442	120	ug	SW846 6010B	MDL.....: 14.4	04/25-04/28/06	H3KFW1AJ
		Dilution Factor: 1					
Magnesium	242 B	600	ug	SW846 6010B	MDL.....: 97.2	04/25-04/28/06	H3KFW1AK
		Dilution Factor: 1					
Sodium	ND	6000	ug	SW846 6010B	MDL.....: 2020	04/25-04/28/06	H3KFW1AL
		Dilution Factor: 1					

NOTE(S) :

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: 000428

TOTAL Metals

Lot-Sample #...: G6D190170-013 Date Sampled...: 04/14/06				Matrix.....: AIR Date Received...: 04/19/06		
PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 6116311 Mercury	0.028 B,J	0.12	ug	SW846 7471A Dilution Factor: 1	04/27/06 MDL.....: 0.00036	H3KFX1AE
Prep Batch #...: 6116334 Silver	0.094 B	1.2	ug	SW846 6020 Dilution Factor: 1	04/25-04/26/06 MDL.....: 0.014	H3KFX1AM
Arsenic	ND	3.6	ug	SW846 6020 Dilution Factor: 1	04/25-04/26/06 MDL.....: 1.9	H3KFX1AN
Barium	ND	120	ug	SW846 6020 Dilution Factor: 1	04/25-04/26/06 MDL.....: 34.8	H3KFX1AP
Beryllium	0.014 B	1.2	ug	SW846 6020 Dilution Factor: 1	04/25-04/26/06 MDL.....: 0.0084	H3KFX1AQ
Cadmium	ND	1.2	ug	SW846 6020 Dilution Factor: 1	04/25-04/26/06 MDL.....: 0.054	H3KFX1AR
Cobalt	ND	12.0	ug	SW846 6020 Dilution Factor: 1	04/25-04/26/06 MDL.....: 3.7	H3KFX1AT
Chromium	ND	12.0	ug	SW846 6020 Dilution Factor: 1	04/25-04/26/06 MDL.....: 10.3	H3KFX1AU
Copper	169	6.0	ug	SW846 6020 Dilution Factor: 1	04/25-04/26/06 MDL.....: 2.9	H3KFX1AV
Manganese	13.3	6.0	ug	SW846 6020 Dilution Factor: 1	04/25-04/26/06 MDL.....: 1.9	H3KFX1AW
Molybdenum	ND	6.0	ug	SW846 6020 Dilution Factor: 1	04/25-04/26/06 MDL.....: 1.1	H3KFX1AX
Nickel	ND	6.0	ug	SW846 6020 Dilution Factor: 1	04/25-04/26/06 MDL.....: 3.5	H3KFX1A0
Lead	1.8	1.2	ug	SW846 6020 Dilution Factor: 1	04/25-04/26/06 MDL.....: 0.34	H3KFX1A1

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Brown and Caldwell

Client Sample ID: 000428

TOTAL Metals

Lot-Sample #....: G6D190170-013

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION-	WORK	ANALYSIS DATE	ORDER #
		LIMIT	UNITS						
Selenium	ND	3.6	ug		SW846 6020			04/25-04/26/06	H3KFX1AA
		Dilution Factor: 1			MDL.....: 1.7				
Vanadium	3.6 B,J	12.0	ug		SW846 6020			04/25-04/26/06	H3KFX1AC
		Dilution Factor: 1			MDL.....: 2.9				
Zinc	6.9 B	24.0	ug		SW846 6020			04/25-04/26/06	H3KFX1AD
		Dilution Factor: 1			MDL.....: 6.2				

Prep Batch #....: 6116343

Aluminum	315	240	ug		SW846 6010B			04/25-04/28/06	H3KFX1AG
		Dilution Factor: 1			MDL.....: 40.8				
Calcium	ND	3000	ug		SW846 6010B			04/25-04/28/06	H3KFX1AH
		Dilution Factor: 1			MDL.....: 898				
Iron	403	120	ug		SW846 6010B			04/25-04/28/06	H3KFX1AJ
		Dilution Factor: 1			MDL.....: 14.4				
Magnesium	238 B	600	ug		SW846 6010B			04/25-04/28/06	H3KFX1AK
		Dilution Factor: 1			MDL.....: 97.2				
Sodium	ND	6000	ug		SW846 6010B			04/25-04/28/06	H3KFX1AL
		Dilution Factor: 1			MDL.....: 2020				

NOTE(S) :

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Brown and Caldwell

Client Sample ID: 000429

TOTAL Metals

Lot-Sample #....: G6D190170-014

Matrix.....: AIR

Date Sampled...: 04/14/06

Date Received..: 04/19/06

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #....:	6116311					
Mercury	0.010 B,J	0.12	ug	SW846 7471A	04/27/06	H3KF01AC
		Dilution Factor: 1		MDL.....: 0.00036		
Prep Batch #....:	6116334					
Silver	0.016 B	1.2	ug	SW846 6020	04/25-04/26/06	H3KF01AK
		Dilution Factor: 1		MDL.....: 0.014		
Arsenic	ND	3.6	ug	SW846 6020	04/25-04/26/06	H3KF01AL
		Dilution Factor: 1		MDL.....: 1.9		
Barium	ND	120	ug	SW846 6020	04/25-04/26/06	H3KF01AM
		Dilution Factor: 1		MDL.....: 34.8		
Beryllium	ND	1.2	ug	SW846 6020	04/25-04/26/06	H3KF01AN
		Dilution Factor: 1		MDL.....: 0.0084		
Cadmium	ND	1.2	ug	SW846 6020	04/25-04/26/06	H3KF01AP
		Dilution Factor: 1		MDL.....: 0.054		
Cobalt	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KF01AQ
		Dilution Factor: 1		MDL.....: 3.7		
Chromium	ND	12.0	ug	SW846 6020	04/25-04/26/06	H3KF01AR
		Dilution Factor: 1		MDL.....: 10.3		
Copper	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KF01AT
		Dilution Factor: 1		MDL.....: 2.9		
Manganese	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KF01AU
		Dilution Factor: 1		MDL.....: 1.9		
Molybdenum	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KF01AV
		Dilution Factor: 1		MDL.....: 1.1		
Nickel	ND	6.0	ug	SW846 6020	04/25-04/26/06	H3KF01AW
		Dilution Factor: 1		MDL.....: 3.5		
Lead	ND	1.2	ug	SW846 6020	04/25-04/26/06	H3KF01AX
		Dilution Factor: 1		MDL.....: 0.34		

(Continued on next page)

Brown and Caldwell

Client Sample ID: 000429

TOTAL Metals

Lot-Sample #....: G6D190170-014

Matrix.....: AIR

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Selenium	ND	3.6	ug	SW846 6020	MDL.....: 1.7	04/25-04/26/06	H3KF01A0
		Dilution Factor: 1					
Vanadium	3.0 B,J	12.0	ug	SW846 6020	MDL.....: 2.9	04/25-04/26/06	H3KF01A1
		Dilution Factor: 1					
Zinc	ND	24.0	ug	SW846 6020	MDL.....: 6.2	04/25-04/26/06	H3KF01AA
		Dilution Factor: 1					

Prep Batch #....: 6116343

Aluminum	ND	240	ug	SW846 6010B	MDL.....: 40.8	04/25-04/28/06	H3KF01AE
		Dilution Factor: 1					
Calcium	ND	3000	ug	SW846 6010B	MDL.....: 898	04/25-04/28/06	H3KF01AF
		Dilution Factor: 1					
Iron	ND	120	ug	SW846 6010B	MDL.....: 14.4	04/25-04/28/06	H3KF01AG
		Dilution Factor: 1					
Magnesium	ND	600	ug	SW846 6010B	MDL.....: 97.2	04/25-04/28/06	H3KF01AH
		Dilution Factor: 1					
Sodium	ND	6000	ug	SW846 6010B	MDL.....: 2020	04/25-04/28/06	H3KF01AJ
		Dilution Factor: 1					

NOTE(S) :

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

QC DATA ASSOCIATION SUMMARY

G6D190170

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	AIR	SW846 6020		6116334	
	AIR	SW846 7471A		6116311	
	AIR	SW846 6010B		6116343	
002	AIR	SW846 6020		6116334	
	AIR	SW846 7471A		6116311	
	AIR	SW846 6010B		6116343	
003	AIR	SW846 6020		6116334	
	AIR	SW846 7471A		6116311	
	AIR	SW846 6010B		6116343	
004	AIR	SW846 6020		6116334	
	AIR	SW846 7471A		6116311	
	AIR	SW846 6010B		6116343	
005	AIR	SW846 6020		6116334	
	AIR	SW846 7471A		6116311	
	AIR	SW846 6010B		6116343	
006	AIR	SW846 6020		6116334	
	AIR	SW846 7471A		6116311	
	AIR	SW846 6010B		6116343	
007	AIR	SW846 6020		6116334	
	AIR	SW846 7471A		6116311	
	AIR	SW846 6010B		6116343	
008	AIR	SW846 6020		6116334	
	AIR	SW846 7471A		6116311	
	AIR	SW846 6010B		6116343	
009	AIR	SW846 6020		6116334	
	AIR	SW846 7471A		6116311	
	AIR	SW846 6010B		6116343	
010	AIR	SW846 6020		6116334	
	AIR	SW846 7471A		6116311	
	AIR	SW846 6010B		6116343	
011	AIR	SW846 6020		6116334	
	AIR	SW846 7471A		6116311	
	AIR	SW846 6010B		6116343	

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

G6D190170

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
012	AIR	SW846 6020		6116334	
	AIR	SW846 7471A		6116311	
	AIR	SW846 6010B		6116343	
013	AIR	SW846 6020		6116334	
	AIR	SW846 7471A		6116311	
	AIR	SW846 6010B		6116343	
014	AIR	SW846 6020		6116334	
	AIR	SW846 7471A		6116311	
	AIR	SW846 6010B		6116343	

METHOD BLANK REPORT

TOTAL Metals

Client Lot #....: G6D190170

Matrix.....: AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: G6D260000-334 Prep Batch #....: 6116334						
Arsenic	ND	3.6	ug	SW846 6020	04/25-04/26/06	H34E11AC
		Dilution Factor:	1			
Barium	ND	120	ug	SW846 6020	04/25-04/26/06	H34E11AD
		Dilution Factor:	1			
Beryllium	ND	1.2	ug	SW846 6020	04/25-04/26/06	H34E11AE
		Dilution Factor:	1			
Cadmium	ND	1.2	ug	SW846 6020	04/25-04/26/06	H34E11AF
		Dilution Factor:	1			
Chromium	ND	12.0	ug	SW846 6020	04/25-04/26/06	H34E11AH
		Dilution Factor:	1			
Cobalt	ND	12.0	ug	SW846 6020	04/25-04/26/06	H34E11AG
		Dilution Factor:	1			
Copper	ND	6.0	ug	SW846 6020	04/25-04/26/06	H34E11AJ
		Dilution Factor:	1			
Lead	ND	1.2	ug	SW846 6020	04/25-04/26/06	H34E11AN
		Dilution Factor:	1			
Manganese	ND	6.0	ug	SW846 6020	04/25-04/26/06	H34E11AK
		Dilution Factor:	1			
Molybdenum	ND	6.0	ug	SW846 6020	04/25-04/26/06	H34E11AL
		Dilution Factor:	1			
Nickel	ND	6.0	ug	SW846 6020	04/25-04/26/06	H34E11AM
		Dilution Factor:	1			
Selenium	ND	3.6	ug	SW846 6020	04/25-04/26/06	H34E11AP
		Dilution Factor:	1			
Silver	ND	1.2	ug	SW846 6020	04/25-04/26/06	H34E11AA
		Dilution Factor:	1			
Vanadium	3.2 B	12.0	ug	SW846 6020	04/25-04/26/06	H34E11AQ
		Dilution Factor:	1			
Zinc	ND	24.0	ug	SW846 6020	04/25-04/26/06	H34E11AR
		Dilution Factor:	1			

(Continued on next page)

METHOD BLANK REPORT

TOTAL Metals

Client Lot #....: G6D190170

Matrix.....: AIR

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION- ANALYSIS DATE</u>	<u>WORK ORDER #</u>
MB Lot-Sample #: G6D260000-343 Prep Batch #....: 6116343						
Aluminum	ND	240	ug	SW846 6010B	04/25-04/28/06	H34FM1AA
Dilution Factor: 1						
Calcium	ND	3000	ug	SW846 6010B	04/25-04/28/06	H34FM1AC
Dilution Factor: 1						
Iron	ND	120	ug	SW846 6010B	04/25-04/28/06	H34FM1AD
Dilution Factor: 1						
Magnesium	ND	600	ug	SW846 6010B	04/25-04/28/06	H34FM1AE
Dilution Factor: 1						
Sodium	ND	6000	ug	SW846 6010B	04/25-04/28/06	H34FM1AF
Dilution Factor: 1						
MB Lot-Sample #: G6D260000-311 Prep Batch #....: 6116311						
Mercury	0.0084 B	0.12	ug	SW846 7471A	04/27/06	H37E81AA
Dilution Factor: 1						

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #...: G6D190170

Matrix.....: AIR

PARAMETER	SPIKE	MEASURED	PERCNT			METHOD	PREPARATION-	PREP
	AMOUNT	AMOUNT	UNITS	RECVRY	RPD		ANALYSIS DATE	BATCH #
Mercury	0.600	0.596	ug	99		SW846 7471A	04/27/06	6116311
	0.600	0.606	ug	101	1.6	SW846 7471A	04/27/06	6116311
Dilution Factor: 1								
Arsenic	240	221	ug	92		SW846 6020	04/25-04/26/06	6116334
	240	225	ug	94	1.9	SW846 6020	04/25-04/26/06	6116334
Dilution Factor: 1								
Barium	240	236	ug	99		SW846 6020	04/25-04/26/06	6116334
	240	234	ug	98	0.90	SW846 6020	04/25-04/26/06	6116334
Dilution Factor: 1								
Beryllium	240	217	ug	90		SW846 6020	04/25-04/26/06	6116334
	240	220	ug	92	1.6	SW846 6020	04/25-04/26/06	6116334
Dilution Factor: 1								
Cadmium	240	227	ug	95		SW846 6020	04/25-04/26/06	6116334
	240	229	ug	95	1.0	SW846 6020	04/25-04/26/06	6116334
Dilution Factor: 1								
Chromium	240	220	ug	92		SW846 6020	04/25-04/26/06	6116334
	240	219	ug	91	0.33	SW846 6020	04/25-04/26/06	6116334
Dilution Factor: 1								
Cobalt	240	223	ug	93		SW846 6020	04/25-04/26/06	6116334
	240	224	ug	93	0.42	SW846 6020	04/25-04/26/06	6116334
Dilution Factor: 1								
Copper	240	228	ug	95		SW846 6020	04/25-04/26/06	6116334
	240	229	ug	96	0.44	SW846 6020	04/25-04/26/06	6116334
Dilution Factor: 1								
Lead	240	230	ug	96		SW846 6020	04/25-04/26/06	6116334
	240	230	ug	96	0.07	SW846 6020	04/25-04/26/06	6116334
Dilution Factor: 1								
Manganese	240	233	ug	97		SW846 6020	04/25-04/26/06	6116334
	240	235	ug	98	0.82	SW846 6020	04/25-04/26/06	6116334
Dilution Factor: 1								

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #....: G6D190170

Matrix.....: AIR

PARAMETER	SPIKE	MEASURED	PERCNT			METHOD	PREPARATION-	PREP
	AMOUNT	AMOUNT	UNITS	RECVRY	RPD		ANALYSIS DATE	BATCH #
Molybdenum	240	235	ug	98		SW846 6020	04/25-04/26/06	6116334
	240	238	ug	99	1.2	SW846 6020	04/25-04/26/06	6116334
Dilution Factor: 1								
Nickel	240	229	ug	95		SW846 6020	04/25-04/26/06	6116334
	240	228	ug	95	0.56	SW846 6020	04/25-04/26/06	6116334
Dilution Factor: 1								
Selenium	240	220	ug	92		SW846 6020	04/25-04/26/06	6116334
	240	231	ug	96	4.6	SW846 6020	04/25-04/26/06	6116334
Dilution Factor: 1								
Silver	60.0	58.0	ug	97		SW846 6020	04/25-04/26/06	6116334
	60.0	58.1	ug	97	0.06	SW846 6020	04/25-04/26/06	6116334
Dilution Factor: 1								
Vanadium	240	223	ug	93		SW846 6020	04/25-04/26/06	6116334
	240	223	ug	93	0.05	SW846 6020	04/25-04/26/06	6116334
Dilution Factor: 1								
Zinc	240	227	ug	95		SW846 6020	04/25-04/26/06	6116334
	240	233	ug	97	2.3	SW846 6020	04/25-04/26/06	6116334
Dilution Factor: 1								
Aluminum	2400	2230	ug	93		SW846 6010B	04/25-04/28/06	6116343
	2400	2240	ug	93	0.07	SW846 6010B	04/25-04/28/06	6116343
Dilution Factor: 1								
Calcium	60000	54600	ug	91		SW846 6010B	04/25-04/28/06	6116343
	60000	54700	ug	91	0.13	SW846 6010B	04/25-04/28/06	6116343
Dilution Factor: 1								
Iron	1200	1150	ug	96		SW846 6010B	04/25-04/28/06	6116343
	1200	1180	ug	98	2.7	SW846 6010B	04/25-04/28/06	6116343
Dilution Factor: 1								
Magnesium	60000	55700	ug	93		SW846 6010B	04/25-04/28/06	6116343
	60000	55600	ug	93	0.11	SW846 6010B	04/25-04/28/06	6116343
Dilution Factor: 1								

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Lot-Sample #....: G6D190170

Matrix.....: AIR

PARAMETER	SPIKE	MEASURED	PERCNT			METHOD	PREPARATION-	PREP
	AMOUNT	AMOUNT	UNITS	RECVRY	RPD		ANALYSIS DATE	BATCH #
Sodium	60000	52900	ug	88		SW846 6010B	04/25-04/28/06	6116343
	60000	53200	ug	89	0.57	SW846 6010B	04/25-04/28/06	6116343

Dilution Factor: 1

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #....: G6D190170

Matrix.....: AIR

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION-ANALYSIS DATE</u>	<u>PREP-BATCH #</u>
Mercury	99	(75 - 125)			SW846 7471A	04/27/06	6116311
	101	(75 - 125)	1.6	(0-20)	SW846 7471A	04/27/06	6116311
Arsenic	92	(75 - 125)			SW846 6020	04/25-04/26/06	6116334
	94	(75 - 125)	1.9	(0-20)	SW846 6020	04/25-04/26/06	6116334
Barium	99	(75 - 125)			SW846 6020	04/25-04/26/06	6116334
	98	(75 - 125)	0.90	(0-20)	SW846 6020	04/25-04/26/06	6116334
Beryllium	90	(75 - 125)			SW846 6020	04/25-04/26/06	6116334
	92	(75 - 125)	1.6	(0-20)	SW846 6020	04/25-04/26/06	6116334
Cadmium	95	(75 - 125)			SW846 6020	04/25-04/26/06	6116334
	95	(75 - 125)	1.0	(0-20)	SW846 6020	04/25-04/26/06	6116334
Chromium	92	(75 - 125)			SW846 6020	04/25-04/26/06	6116334
	91	(75 - 125)	0.33	(0-20)	SW846 6020	04/25-04/26/06	6116334
Cobalt	93	(75 - 125)			SW846 6020	04/25-04/26/06	6116334
	93	(75 - 125)	0.42	(0-20)	SW846 6020	04/25-04/26/06	6116334
Copper	95	(75 - 125)			SW846 6020	04/25-04/26/06	6116334
	96	(75 - 125)	0.44	(0-20)	SW846 6020	04/25-04/26/06	6116334
Lead	96	(75 - 125)			SW846 6020	04/25-04/26/06	6116334
	96	(75 - 125)	0.07	(0-20)	SW846 6020	04/25-04/26/06	6116334
Manganese	97	(75 - 125)			SW846 6020	04/25-04/26/06	6116334
	98	(75 - 125)	0.82	(0-20)	SW846 6020	04/25-04/26/06	6116334
		Dilution Factor: 1					

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #....: G6D190170

Matrix.....: AIR

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP-</u>
						<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Molybdenum	98	(75 - 125)			SW846 6020	04/25-04/26/06	6116334
	99	(75 - 125)	1.2	(0-20)	SW846 6020	04/25-04/26/06	6116334
				Dilution Factor: 1			
Nickel	95	(75 - 125)			SW846 6020	04/25-04/26/06	6116334
	95	(75 - 125)	0.56	(0-20)	SW846 6020	04/25-04/26/06	6116334
				Dilution Factor: 1			
Selenium	92	(75 - 125)			SW846 6020	04/25-04/26/06	6116334
	96	(75 - 125)	4.6	(0-20)	SW846 6020	04/25-04/26/06	6116334
				Dilution Factor: 1			
Silver	97	(75 - 125)			SW846 6020	04/25-04/26/06	6116334
	97	(75 - 125)	0.06	(0-20)	SW846 6020	04/25-04/26/06	6116334
				Dilution Factor: 1			
Vanadium	93	(75 - 125)			SW846 6020	04/25-04/26/06	6116334
	93	(75 - 125)	0.05	(0-20)	SW846 6020	04/25-04/26/06	6116334
				Dilution Factor: 1			
Zinc	95	(75 - 125)			SW846 6020	04/25-04/26/06	6116334
	97	(75 - 125)	2.3	(0-20)	SW846 6020	04/25-04/26/06	6116334
				Dilution Factor: 1			
Aluminum	93	(75 - 125)			SW846 6010B	04/25-04/28/06	6116343
	93	(75 - 125)	0.07	(0-20)	SW846 6010B	04/25-04/28/06	6116343
				Dilution Factor: 1			
Calcium	91	(75 - 125)			SW846 6010B	04/25-04/28/06	6116343
	91	(75 - 125)	0.13	(0-20)	SW846 6010B	04/25-04/28/06	6116343
				Dilution Factor: 1			
Iron	96	(75 - 125)			SW846 6010B	04/25-04/28/06	6116343
	98	(75 - 125)	2.7	(0-20)	SW846 6010B	04/25-04/28/06	6116343
				Dilution Factor: 1			
Magnesium	93	(75 - 125)			SW846 6010B	04/25-04/28/06	6116343
	93	(75 - 125)	0.11	(0-20)	SW846 6010B	04/25-04/28/06	6116343
				Dilution Factor: 1			

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Lot-Sample #....: G6D190170

Matrix.....: AIR

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>LIMITS</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP-</u>	<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Sodium	88	(75 - 125)			SW846 6010B			04/25-04/28/06	6116343
	89	(75 - 125)	0.57	(0-20)	SW846 6010B			04/25-04/28/06	6116343

Dilution Factor: 1

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

AIR, PM-10 & TSP

Brown and Caldwell

Client Sample ID: P-0591

General Chemistry

Lot-Sample #....: G6D190170-001 Work Order #....: H3KFF Matrix.....: AIR
Date Sampled....: 04/14/06 Date Received...: 04/19/06

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
					<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Particulate Matter as PM10	0.0070	0.0001	g	CFR50J APDX J	04/21/06	6116575

Brown and Caldwell

Client Sample ID: P-0592

General Chemistry

Lot-Sample #....: G6D190170-002 Work Order #....: H3KFG Matrix.....: AIR
Date Sampled....: 04/14/06 Date Received...: 04/19/06

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
					<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Particulate Matter as PM ₁₀	0.0084	0.0001	g	CFR50J APDX J	04/21/06	6116575

Brown and Caldwell

Client Sample ID: P-0593

General Chemistry

Lot-Sample #....: G6D190170-003 Work Order #....: H3KFH Matrix.....: AIR
Date Sampled....: 04/14/06 Date Received...: 04/19/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Particulate Matter as PM10	0.0074	0.0001	g	CFR50J APDX J	04/21/06	6116575

Brown and Caldwell

Client Sample ID: P-0594

General Chemistry

Lot-Sample #....: G6D190170-004 Work Order #....: H3KFJ Matrix.....: AIR
Date Sampled....: 04/14/06 Date Received...: 04/19/06

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-</u>	<u>PREP</u>
					<u>ANALYSIS DATE</u>	<u>BATCH #</u>
Particulate Matter as PM10	0.0103	0.0001	g	CFR50J APDX J	04/21/06	6116575

Brown and Caldwell

Client Sample ID: P-0595

General Chemistry

Lot-Sample #....: G6D190170-005 Work Order #....: H3KFL Matrix.....: AIR
Date Sampled....: 04/14/06 Date Received...: 04/19/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Particulate Matter as PM10	0.0080	0.0001	g	CFR50J APDX J	04/21/06	6116575

Brown and Caldwell

Client Sample ID: P-0596

General Chemistry

Lot-Sample #....: G6D190170-006 Work Order #....: H3KFM Matrix.....: AIR
Date Sampled....: 04/14/06 Date Received...: 04/19/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Particulate Matter as PM10	0.0080	0.0001	g	CFR50J APDX J	04/21/06	6116575

Brown and Caldwell

Client Sample ID: P-0597

General Chemistry

Lot-Sample #....: G6D190170-007 Work Order #....: H3KFP Matrix.....: AIR
Date Sampled....: 04/14/06 Date Received...: 04/19/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Particulate Matter as PM10	0.0077	0.0001	g	CFR50J APDX J	04/21/06	6116575

Brown and Caldwell

Client Sample ID: 000423

General Chemistry

Lot-Sample #....: G6D190170-008 Work Order #....: H3KFQ Matrix.....: AIR
Date Sampled....: 04/14/06 Date Received...: 04/19/06

<u>PARAMETER</u>	<u>RESULT</u>	<u>RL</u>	<u>UNITS</u>	<u>METHOD</u>	<u>PREPARATION-ANALYSIS DATE</u>	<u>PREP BATCH #</u>
Total Suspended Particulates	0.0305	0.0001	g	CFR50B APDX B	04/21/06	6116572

Brown and Caldwell

Client Sample ID: 000424

General Chemistry

Lot-Sample #....: G6D190170-009 Work Order #....: H3KFR Matrix.....: AIR
Date Sampled....: 04/14/06 Date Received...: 04/19/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Total Suspended Particulates	0.0210	0.0001	g	CFR50B APDX B	04/21/06	6116572

Brown and Caldwell

Client Sample ID: 000425

General Chemistry

Lot-Sample #....: G6D190170-010 Work Order #....: H3KFT Matrix.....: AIR
Date Sampled....: 04/14/06 Date Received...: 04/19/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Total Suspended Particulates	0.0247	0.0001	g	CFR50B APDX B	04/21/06	6116572

Brown and Caldwell

Client Sample ID: 000426

General Chemistry

Lot-Sample #....: G6D190170-011 Work Order #....: H3KFV Matrix.....: AIR
Date Sampled....: 04/14/06 Date Received..: 04/19/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Total Suspended Particulates	0.0353	0.0001	g	CFR50B APDX B	04/21/06	6116572

Brown and Caldwell

Client Sample ID: 000427

General Chemistry

Lot-Sample #....: G6D190170-012 Work Order #....: H3KFW Matrix.....: AIR
Date Sampled....: 04/14/06 Date Received...: 04/19/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Total Suspended Particulates	0.0220	0.0001	g	CFR50B APDX B	04/21/06	6116572

Brown and Caldwell

Client Sample ID: 000428

General Chemistry

Lot-Sample #....: G6D190170-013 Work Order #....: H3KFX Matrix.....: AIR
Date Sampled....: 04/14/06 Date Received..: 04/19/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Total Suspended Particulates	0.0242	0.0001	g	CFR50B APDX B	04/21/06	6116572

Brown and Caldwell

Client Sample ID: 000429

General Chemistry

Lot-Sample #....: G6D190170-014 Work Order #....: H3KF0 Matrix.....: AIR
Date Sampled....: 04/14/06 Date Received...: 04/19/06

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-	PREP
					ANALYSIS DATE	BATCH #
Total Suspended Particulates	ND	0.00010	g	CFR50B APDX B	04/21/06	6116572

AIR, Metals – Various Methods

Raw Data Package

ICP

STL Sacramento

RUN SUMMARY

Method: 6010

PE ICP2 (P05)

Reported: 04/28/06 14:50:32

File ID: APR2806AX.csv

Analyst: WONGA

#	Sample ID	Lot No.	Batch	DF	Analyzed Date	Comment	Q
1	Calib_Blk_			1.0	04/28/06 08:21		<input type="checkbox"/>
2	Calib_Std_1			1.0	04/28/06 08:24		<input type="checkbox"/>
3	ZZZZZ			1.0	04/28/06 08:26		<input type="checkbox"/>
4	Calib Std 2			1.0	04/28/06 08:28		<input type="checkbox"/>
5	ICV4			1.0	04/28/06 08:31		<input type="checkbox"/>
6	ICB			1.0	04/28/06 08:33		<input type="checkbox"/>
7	PQL			1.0	04/28/06 08:37		<input type="checkbox"/>
8	ICSA			1.0	04/28/06 08:40		<input type="checkbox"/>
9	ICSAB_4.0			1.0	04/28/06 08:43		<input type="checkbox"/>
10	FB F1685532			1.0	04/28/06 08:49		<input type="checkbox"/>
11	H34D0B	G6D260000	6116325	2A	1.0 04/28/06 08:53		<input type="checkbox"/>
12	H34D0C	G6D260000	6116325	2A	1.0 04/28/06 08:56		<input type="checkbox"/>
13	H34D0L	G6D260000	6116325	2A	1.0 04/28/06 08:59		<input type="checkbox"/>
14	H3EVF	G6D170132-1	6116325	2A	1.0 04/28/06 09:03		<input type="checkbox"/>
15	H3EVFP5	G6D170132	6116325		5.0 04/28/06 09:06		<input type="checkbox"/>
16	CCV				1.0 04/28/06 09:10		<input type="checkbox"/>
17	CCB				1.0 04/28/06 09:12		<input type="checkbox"/>
18	H3EVFZ	G6D170132-1	6116325		1.0 04/28/06 09:16		<input type="checkbox"/>
19	H3EVH	G6D170132-2	6116325	2A	1.0 04/28/06 09:20		<input type="checkbox"/>
20	H3EVK	G6D170132-3	6116325	2A	1.0 04/28/06 09:23		<input type="checkbox"/>
21	H3EVL	G6D170132-4	6116325	2A	1.0 04/28/06 09:27		<input type="checkbox"/>
22	H3EVM	G6D170132-5	6116325	2A	1.0 04/28/06 09:30		<input type="checkbox"/>
23	H3EVN	G6D170132-6	6116325	2A	1.0 04/28/06 09:34		<input type="checkbox"/>
24	H3EVQ	G6D170132-7	6116325	2A	1.0 04/28/06 09:37		<input type="checkbox"/>
25	H3EVT	G6D170132-8	6116325	2A	1.0 04/28/06 09:41		<input type="checkbox"/>
26	H3EV2	G6D170132-9	6116325	2A	1.0 04/28/06 09:45		<input type="checkbox"/>
27	H3EV3	G6D170132-10	6116325	2A	1.0 04/28/06 09:48		<input type="checkbox"/>
28	CCV				1.0 04/28/06 09:52		<input type="checkbox"/>
29	CCB				1.0 04/28/06 09:54		<input type="checkbox"/>
30	H3EV6	G6D170132-11	6116325	2A	1.0 04/28/06 09:58		<input type="checkbox"/>
31	H3EV7	G6D170132-12	6116325	2A	1.0 04/28/06 10:01		<input type="checkbox"/>
32	H3EV8	G6D170132-13	6116325	2A	1.0 04/28/06 10:05		<input type="checkbox"/>
33	FB F1685532				1.0 04/28/06 10:09		<input type="checkbox"/>
34	H34FMB	G6D260000	6116343	2A	1.0 04/28/06 10:12		<input type="checkbox"/>
35	H34FMC	G6D260000	6116343	2A	1.0 04/28/06 10:16		<input type="checkbox"/>
36	H34FML	G6D260000	6116343	2A	1.0 04/28/06 10:19		<input type="checkbox"/>
37	H3KFF	G6D190170-1	6116343	2A	1.0 04/28/06 10:22		<input type="checkbox"/>
38	H3KFPP5	G6D190170	6116343		5.0 04/28/06 10:26		<input type="checkbox"/>
39	H3KFZ	G6D190170-1	6116343		1.0 04/28/06 10:29		<input type="checkbox"/>
40	CCV				1.0 04/28/06 10:33		<input type="checkbox"/>
41	CCB				1.0 04/28/06 10:35		<input type="checkbox"/>
42	H3KFG	G6D190170-2	6116343	2A	1.0 04/28/06 10:39		<input type="checkbox"/>
43	H3KFH	G6D190170-3	6116343	2A	1.0 04/28/06 10:43		<input type="checkbox"/>
44	H3KFJ	G6D190170-4	6116343	2A	1.0 04/28/06 10:46		<input type="checkbox"/>
45	H3KFL	G6D190170-5	6116343	2A	1.0 04/28/06 10:50		<input type="checkbox"/>
46	H3KFM	G6D190170-6	6116343	2A	1.0 04/28/06 10:53		<input type="checkbox"/>

STL Sacramento

RUN SUMMARY

Method: 6010

PE ICP2 (P05)

Reported: 04/28/06 14:50:32

File ID: APR2806AX.csv

Analyst: WONGA

#	Sample ID	Lot No.	Batch	DF	Analyzed Date	Comment	Q
47	H3KFP	G6D190170-7	6116343	2A	1.0 04/28/06 10:57		<input type="checkbox"/>
48	H3KFQ	G6D190170-8	6116343	2A	1.0 04/28/06 11:00		<input type="checkbox"/>
49	H3KFR	G6D190170-9	6116343	2A	1.0 04/28/06 11:04		<input type="checkbox"/>
50	H3KFT	G6D190170-10	6116343	2A	1.0 04/28/06 11:08		<input type="checkbox"/>
51	H3KFV	G6D190170-11	6116343	2A	1.0 04/28/06 11:11		<input type="checkbox"/>
52	CCV				1.0 04/28/06 11:15		<input type="checkbox"/>
53	CCB				1.0 04/28/06 11:17		<input type="checkbox"/>
54	H3KFW	G6D190170-12	6116343	2A	1.0 04/28/06 11:21		<input type="checkbox"/>
55	H3KFX	G6D190170-13	6116343	2A	1.0 04/28/06 11:24		<input type="checkbox"/>
56	H3KF0	G6D190170-14	6116343	2A	1.0 04/28/06 11:28		<input type="checkbox"/>
57	CCV				1.0 04/28/06 11:32		<input type="checkbox"/>
58	CCB				1.0 04/28/06 11:34		<input type="checkbox"/>

STL Sacramento

INTERNAL STANDARD SUMMARY

Method: 6010 ()

PE ICP2 (P05)

Reported: 04/28/06 14:50:32

File ID: APR2806AX.csv

Analyst: WONGA

#	Sample ID	Analyzed Date	In Axial	In Radial	Sc Axial	Sc Radial	Y_Axial	Y_Radial	Q
1	Calib_Blank_	04/28/06 08:21	0.0	0.0	0.0	0.0	0.0	0.0	<input checked="" type="checkbox"/>
2	Calib Std 1	04/28/06 08:24	0.0	0.0	0.0	0.0	0.0	0.0	<input checked="" type="checkbox"/>
3	ZZZZZ	04/28/06 08:26	79.6	85.6	87.6	89.7	85.0	86.3	<input checked="" type="checkbox"/>
4	Calib Std 2	04/28/06 08:28	0.0	0.0	0.0	0.0	0.0	0.0	<input checked="" type="checkbox"/>
5	ICV4	04/28/06 08:31	95.9	96.3	97.0	98.0	95.4	98.8	<input checked="" type="checkbox"/>
6	ICB	04/28/06 08:33	98.8	100.1	98.6	97.3	98.7	97.5	<input checked="" type="checkbox"/>
7	PQL	04/28/06 08:37	100.1	100.2	100.1	97.7	99.6	97.4	<input checked="" type="checkbox"/>
8	ICSA	04/28/06 08:40	80.3	87.1	86.9	88.0	84.6	87.5	<input checked="" type="checkbox"/>
9	ICSAB 4.0	04/28/06 08:43	79.9	86.6	85.6	88.7	83.6	87.2	<input checked="" type="checkbox"/>
10	FB F1685532	04/28/06 08:49	101.0	102.8	100.8	98.6	100.3	98.5	<input checked="" type="checkbox"/>
11	H34D0B	04/28/06 08:53	101.0	101.9	101.1	98.8	101.0	98.8	<input checked="" type="checkbox"/>
12	H34D0C	04/28/06 08:56	94.1	97.8	96.9	96.7	94.9	94.7	<input checked="" type="checkbox"/>
13	H34D0L	04/28/06 08:59	93.0	98.5	97.7	98.7	95.6	96.6	<input checked="" type="checkbox"/>
14	H3EVF	04/28/06 09:03	101.1	103.6	101.1	103.2	100.9	103.1	<input checked="" type="checkbox"/>
15	H3EVFP5	04/28/06 09:06	99.5	101.4	99.5	99.6	99.4	99.4	<input checked="" type="checkbox"/>
16	CCV	04/28/06 09:10	92.7	96.6	96.3	96.0	93.5	94.3	<input checked="" type="checkbox"/>
17	CCB	04/28/06 09:12	99.6	101.2	99.6	97.6	99.7	97.6	<input checked="" type="checkbox"/>
18	H3EVFZ	04/28/06 09:16	94.6	98.3	95.1	99.1	93.3	97.3	<input checked="" type="checkbox"/>
19	H3EVH	04/28/06 09:20	100.7	104.0	101.0	101.2	100.8	101.2	<input checked="" type="checkbox"/>
20	H3EVK	04/28/06 09:23	99.9	104.1	100.3	101.3	100.0	101.2	<input checked="" type="checkbox"/>
21	H3EVL	04/28/06 09:27	101.0	103.1	101.4	102.4	101.1	102.3	<input checked="" type="checkbox"/>
22	H3EVM	04/28/06 09:30	100.9	103.5	101.1	101.5	100.6	101.1	<input checked="" type="checkbox"/>
23	H3EVN	04/28/06 09:34	101.0	102.7	101.1	100.7	100.8	100.5	<input checked="" type="checkbox"/>
24	H3EVQ	04/28/06 09:37	102.0	103.7	102.3	102.6	102.0	102.6	<input checked="" type="checkbox"/>
25	H3EVT	04/28/06 09:41	100.7	103.2	101.1	100.9	100.9	100.9	<input checked="" type="checkbox"/>
26	H3EV2	04/28/06 09:45	100.9	103.4	101.1	100.4	100.8	100.4	<input checked="" type="checkbox"/>
27	H3EV3	04/28/06 09:48	102.1	103.6	102.5	102.0	102.3	102.0	<input checked="" type="checkbox"/>
28	CCV	04/28/06 09:52	93.1	99.3	97.7	98.2	94.1	96.8	<input checked="" type="checkbox"/>
29	CCB	04/28/06 09:54	99.5	102.2	99.9	101.2	100.1	101.4	<input checked="" type="checkbox"/>
30	H3EV6	04/28/06 09:58	101.4	103.7	101.9	101.5	101.5	101.4	<input checked="" type="checkbox"/>
31	H3EV7	04/28/06 10:01	100.9	104.4	101.2	102.5	101.0	102.4	<input checked="" type="checkbox"/>
32	H3EV8	04/28/06 10:05	102.6	103.5	102.9	100.0	102.6	100.1	<input checked="" type="checkbox"/>
33	FB F1685532	04/28/06 10:09	100.1	104.1	100.6	102.0	100.3	101.9	<input checked="" type="checkbox"/>
34	H34FMB	04/28/06 10:12	100.9	104.9	101.2	102.4	101.1	102.6	<input checked="" type="checkbox"/>
35	H34FMC	04/28/06 10:16	94.4	99.7	98.5	99.7	96.6	97.6	<input checked="" type="checkbox"/>
36	H34FML	04/28/06 10:19	95.0	100.2	97.9	97.9	96.0	96.0	<input checked="" type="checkbox"/>
37	H3KFF	04/28/06 10:22	102.0	108.4	102.4	105.0	102.3	104.9	<input checked="" type="checkbox"/>
38	H3KFFP5	04/28/06 10:26	99.3	102.5	99.6	100.6	99.8	100.6	<input checked="" type="checkbox"/>
39	H3KFFZ	04/28/06 10:29	94.9	99.8	98.8	98.6	96.9	96.8	<input checked="" type="checkbox"/>
40	CCV	04/28/06 10:33	92.2	98.0	97.3	96.7	93.3	95.5	<input checked="" type="checkbox"/>
41	CCB	04/28/06 10:35	99.6	101.7	100.0	100.7	100.1	100.9	<input checked="" type="checkbox"/>
42	H3KFG	04/28/06 10:39	101.3	105.0	101.9	103.3	101.6	103.2	<input checked="" type="checkbox"/>
43	H3KFH	04/28/06 10:43	102.6	105.8	102.9	102.1	102.6	102.0	<input checked="" type="checkbox"/>
44	H3KFJ	04/28/06 10:46	101.9	104.5	102.5	103.3	102.2	103.1	<input checked="" type="checkbox"/>
45	H3KFL	04/28/06 10:50	101.6	104.8	102.2	102.6	101.9	102.5	<input checked="" type="checkbox"/>
46	H3KFM	04/28/06 10:53	102.9	105.4	103.2	104.7	102.9	104.4	<input checked="" type="checkbox"/>

STL Sacramento

INTERNAL STANDARD SUMMARY

Method: 6010()

PE ICP2 (P05)

Reported: 04/28/06 14:50:32

File ID: APR2806AX.csv

Analyst: WONGA

#	Sample ID	Analyzed Date	In Axial	In Radial	Sc Axial	Sc Radial	Y_Axial	Y_Radial	Q
47	H3KFP	04/28/06 10:57	102.1	105.3	102.3	103.1	101.9	102.7	<input checked="" type="checkbox"/>
48	H3KFQ	04/28/06 11:00	102.8	105.4	102.8	101.8	102.3	101.4	<input checked="" type="checkbox"/>
49	H3KFR	04/28/06 11:04	103.3	102.7	103.3	99.8	102.8	99.7	<input checked="" type="checkbox"/>
50	H3KFT	04/28/06 11:08	104.0	105.9	104.1	103.9	103.4	103.5	<input checked="" type="checkbox"/>
51	H3KFW	04/28/06 11:11	102.7	105.8	103.2	101.8	102.8	101.7	<input checked="" type="checkbox"/>
52	CCV	04/28/06 11:15	92.9	98.2	97.1	97.4	94.3	96.2	<input checked="" type="checkbox"/>
53	CCB	04/28/06 11:17	99.7	102.5	100.3	98.9	100.4	99.0	<input checked="" type="checkbox"/>
54	H3KFW	04/28/06 11:21	102.0	105.5	102.3	102.3	101.9	101.9	<input checked="" type="checkbox"/>
55	H3KFX	04/28/06 11:24	101.8	104.8	102.1	101.5	101.6	101.1	<input checked="" type="checkbox"/>
56	H3KF0	04/28/06 11:28	103.1	105.3	103.5	103.4	103.0	103.2	<input checked="" type="checkbox"/>
57	CCV	04/28/06 11:32	93.1	99.7	97.0	98.0	94.2	96.6	<input checked="" type="checkbox"/>
58	CCB	04/28/06 11:34	99.9	102.5	100.5	100.8	100.7	100.9	<input checked="" type="checkbox"/>

Run/Project Information:

Run Date: 04/28/06 Analyst: AWANG Instrument: P05
 Prep Batches Run: 6116326, 6116343

Circle Method used: 6010B / 200.7: SAC-MT-0003 Rev. 2.0

Review Items

A. Calibration/Instrument Run QC	Yes	No	N/A	2nd Level
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels ?	✓			/
2. ICV/CCV analyzed at appropriate frequency and within control limits ? (6010B, CLP = 90 - 110%, 200.7 = 95 -105%[ICV])	✓			/
3. ICB/CCB analyzed at appropriate frequency and within +/- RL or +/- CRDL (CLP) ?	✓			/
4. CRI analyzed? (for CLP only)	✓			/
5. ICSA/ICSAB run at required frequency and within SOP limits ?	✓			/
B. Sample Results				
1. Were samples with concentrations > the linear range for any parameter diluted and reanalyzed ?			✓	/
2. All reported results bracketed by in control QC ?	✓			/
3. Sample analyses done within holding time ?	✓			/
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits ?	✓			/
2. Method blank done per prep batch and < RL or CRDL (CLP) ?	✓			/
3. MS run at required frequency and within limits ?		✓		/
4. MSD or DU run at required frequency and RPD within SOP limits ?		✓		/
5. Dilution Test done per prep batch (or per SDG for CLP) ?	✓			/
6. Post digest spike analyzed if required (CLP only) ?	✓			/
D. Other				
1. Are all nonconformances documented appropriately ?		✓		/
2. Current IDL/LR/IEC data on file ?	✓			/
3. Calculations checked for error ?	✓			/
4. Transcriptions checked for error ?	✓			/
5. All client/project specific requirements met ?	✓			/
6. Date/time of analysis verified as correct ?	✓			/

Analyst: AWANGDate: 04/28/06

Comments: _____

2nd Level Reviewer: YAFZDate: 04/28/06

Comments: _____

STL Sacramento

Method 6010B Instrument QC Standards

SEVERN
TRENT
SERVICES

Chemist: AWong

Run Date: 04/28/06

Type of Analysis: Trace ICP (AirTox)

Instrument ID: P05

Standard Expiration Dates Verified: 04/28/06

<u>Standard Name</u>	<u>Standard Logbook ID</u>
STD0 (Cal Blank) / ICB / CCB	2409-48-6
STD1 (Cal Std 1)	2680-11
STD2 (Cal Std 2)	2680-12
STD3 (Cal Std 3)	NA
STD4 (Cal Std 4)	NA
ICV	2680-42
ICV2	NA
PQLCRI	1750-014-6
ICSA	2680-14
ICSAB	2680-15
CCV	2680-13
Internal Standard	2696-14-4

4/28/2006 8:04:53 AM Hg ReAlign... Actual peak offset (nm): -0.007
Drift (nm): -0.000 Slit adjustment: -2

Align View XY Axial for analyte Mn 257.610

X-position Y-position Intensity

-2.0	15.0	541483.7
-1.6	15.0	741016.0
-1.2	15.0	922272.9
-0.8	15.0	1083557.2
-0.4	15.0	1140047.7
0.0	15.0	1182578.5
0.4	15.0	1085651.4
0.8	15.0	952191.9
1.2	15.0	763143.2
1.6	15.0	574647.5
2.0	15.0	409315.6
0.0	10.0	4341.7
0.0	10.5	29126.6
0.0	11.0	56814.7
0.0	11.5	94632.6
0.0	12.0	144368.3
0.0	12.5	330994.9
0.0	13.0	467725.6
0.0	13.5	637999.3
0.0	14.0	813376.5
0.0	14.5	1118456.4
0.0	15.0	1158564.1
0.0	15.5	1162240.9
0.0	16.0	1086312.9
0.0	16.5	787592.8
0.0	17.0	614656.3
0.0	17.5	462897.8
0.0	18.0	360312.5
0.0	18.5	238116.3
0.0	19.0	99235.7
0.0	19.5	58315.7
0.0	20.0	21303.3
-0.8	15.5	1023038.9
-0.4	15.5	1116949.5
0.0	15.5	1210597.1
0.4	15.5	1042970.8
0.8	15.5	909555.1
0.0	13.5	650414.0
0.0	14.0	838443.8
0.0	14.5	1061253.2
0.0	15.0	1195095.2
0.0	15.5	1173405.4
0.0	16.0	1097825.2
0.0	16.5	775747.5
0.0	17.0	593909.2
0.0	17.5	453820.1

4/28/2006 8:09:26 AM aligned for analyte Mn 257.610

X viewing position set to 0.0 mm having Peak intensity 1195095.2 for Axial viewing
Y viewing position set to 15.0 mm having Peak intensity 1195095.2 for Axial viewing

Align View X Radial for analyte Mn 257.610

X-position Y-position Intensity

-7.0	15.0	146.6
-6.5	15.0	177.7
-6.0	15.0	264.7
-5.5	15.0	579.5
-5.0	15.0	1504.3

-4.5	15.0	3696.1
-4.0	15.0	7773.7
-3.5	15.0	14955.6
-3.0	15.0	25883.2
-2.5	15.0	39311.2
-2.0	15.0	49314.3
-1.5	15.0	65361.6
-1.0	15.0	89814.9
-0.5	15.0	100324.9
0.0	15.0	97382.6
0.5	15.0	88097.5
1.0	15.0	73552.9
1.5	15.0	58998.8
2.0	15.0	38931.2
2.5	15.0	20782.7
3.0	15.0	9572.7
3.5	15.0	4245.8
4.0	15.0	3592.8
4.5	15.0	1625.5
5.0	15.0	667.6
5.5	15.0	280.5
6.0	15.0	179.0
6.5	15.0	161.7
7.0	15.0	135.1

4/28/2006 8:11:27 AM aligned for analyte Mn 257.610
X viewing position set to -0.5 mm having Peak intensity 100324.9 for Radial viewing

Method Loaded

Method Name: STL-SAC EPA 6010B NR02A2
 IEC File: 6010B NR02b.iec
 Method Description: EPA Method 6010B+, PE Optima 4300 DV Normal Resolution

Method Last Saved: 3/29/2006 10:45:22 AM

MSF File:

Analyte	Calibration Equation	Processing	View	Internal Standard	IEC
Ag 328.068	Lin Thru 0	Peak Area	Axial	Y_Axial	Yes
Al_1 396.153 R	Lin Thru 0	Peak Area	Radial	Y_Radial	Yes
Al_2 308.215 R	Lin Thru 0	Peak Area	Radial	Y_Radial	Yes
As 188.979	Lin Thru 0	Peak Area	Axial	Y_Axial	Yes
B_249.677	Lin Thru 0	Peak Area	Axial	Y_Axial	Yes
Ba 233.527	Lin Thru 0	Peak Area	Axial	Y_Axial	Yes
Be_1 313.107 R	Lin Thru 0	Peak Area	Radial	Y_Radial	Yes
Be_2 234.861	Lin Thru 0	Peak Area	Axial	Y_Axial	Yes
Bi_1 223.061	Lin Thru 0	Peak Area	Axial	Y_Axial	Yes
Bi_2 306.766	Lin Thru 0	Peak Area	Axial	Y_Axial	Yes
Ca 315.887 R	Lin Thru 0	Peak Area	Radial	Y_Radial	No
Cd_1 214.440	Lin Thru 0	Peak Area	Axial	Y_Axial	Yes
Cd_2 228.802	Lin Thru 0	Peak Area	Axial	Y_Axial	Yes
Ce_1 418.660	Lin Thru 0	Peak Area	Axial	Y_Axial	Yes
Ce_2 413.380	Lin Thru 0	Peak Area	Axial	Y_Axial	Yes
Co_1 228.616	Lin Thru 0	Peak Area	Axial	Y_Axial	Yes
Co_2 238.892	Lin Thru 0	Peak Area	Axial	Y_Axial	Yes
Cr 267.716	Lin Thru 0	Peak Area	Axial	Y_Axial	Yes
Cu 324.752	Lin Thru 0	Peak Area	Axial	Y_Axial	Yes
Fe_1 273.955	Lin Thru 0	Peak Area	Axial	Y_Axial	Yes
Fe_2 238.863 R	Lin Thru 0	Peak Area	Radial	Y_Radial	Yes
Ga_1 417.206	Lin Thru 0	Peak Area	Axial	Y_Axial	Yes
K_766.472 R	Lin Thru 0	Peak Area	Radial	Y_Radial	Yes
Li 670.784 R	Lin Thru 0	Peak Area	Radial	Y_Radial	Yes
Mg 279.077 R	Lin Thru 0	Peak Area	Radial	Y_Radial	Yes
Mn 257.610 R	Lin Thru 0	Peak Area	Radial	Y_Radial	Yes
Mo 202.031	Lin Thru 0	Peak Area	Axial	Y_Axial	Yes
Na_1 589.592 R	Lin Thru 0	Peak Area	Radial	Y_Radial	No
Na_2 330.237 R	Lin Thru 0	Peak Area	Radial	Y_Radial	Yes
Ni 231.604	Lin Thru 0	Peak Area	Axial	Y_Axial	Yes
P_1 213.617	Lin Thru 0	Peak Area	Axial	Y_Axial	Yes
P_2 213.617 R	Lin Thru 0	Peak Area	Radial	Y_Radial	Yes
Pb 220.353	Lin Thru 0	Peak Area	Axial	Y_Axial	Yes
S_1 181.975	Lin Thru 0	Peak Area	Axial	Y_Axial	Yes
S_2 181.975 R	Lin Thru 0	Peak Area	Radial	Y_Radial	Yes
S_3 182.563	Lin Thru 0	Peak Area	Axial	Y_Axial	Yes
S_4 182.563 R	Lin Thru 0	Peak Area	Radial	Y_Radial	Yes
Sb 206.836	Lin Thru 0	Peak Area	Axial	Y_Axial	Yes
Se 196.026	Lin Thru 0	Peak Area	Axial	Y_Axial	Yes
Si 251.611	Lin Thru 0	Peak Area	Axial	Y_Axial	Yes
Si_2 251.611 R	Lin Thru 0	Peak Area	Radial	Y_Radial	Yes
Sn 189.927	Lin Thru 0	Peak Area	Axial	Y_Axial	Yes
Sr_1 460.733 R	Lin Thru 0	Peak Area	Radial	Y_Radial	Yes
Sr_2 421.552 R	Lin Thru 0	Peak Area	Radial	Y_Radial	No
Ti_1 334.940 R	Lin Thru 0	Peak Area	Radial	Y_Radial	Yes
Ti_2 334.903 R	Lin Thru 0	Peak Area	Radial	Y_Radial	Yes
Tl 190.801	Lin Thru 0	Peak Area	Axial	Y_Axial	Yes
V_1 292.402	Lin Thru 0	Peak Area	Axial	Y_Axial	Yes
V_2 290.880	Lin Thru 0	Peak Area	Axial	Y_Axial	Yes
Zn 206.200	Lin Thru 0	Peak Area	Axial	Y_Axial	Yes
Zr_1 339.197	Lin Thru 0	Peak Area	Axial	Y_Axial	Yes
Zr_2 343.823	Lin Thru 0	Peak Area	Axial	Y_Axial	Yes
In Axial	Lin, Calc Int	Peak Area	Axial	n/a	n/a
In Radial	Lin, Calc Int	Peak Area	Radial	n/a	n/a
Y_Axial	Lin, Calc Int	Peak Area	Axial	n/a	n/a
Y_Radial	Lin, Calc Int	Peak Area	Radial	n/a	n/a
Sc Axial	Lin, Calc Int	Peak Area	Axial	n/a	n/a
Sc Radial	Lin, Calc Int	Peak Area	Radial	n/a	n/a
Tm Axial	Lin, Calc Int	Peak Area	Axial	n/a	n/a
Tm Radial	Lin, Calc Int	Peak Area	Radial	n/a	n/a
Hg_1 194.168	Lin Thru 0	Peak Area	Axial	Y_Axial	No
Hg_3 253.652	Lin Thru 0	Peak Area	Axial	Y_Axial	No
Hg_2 194.168 R	Lin Thru 0	Peak Area	Radial	Y_Radial	No

Hg_4 253.652 R Lin Thru 0

Peak Area Radial Y_Radial No

Sequence No.: 1
 Sample ID: Calib_Bank_1
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 5
 Date Collected: 4/28/2006 8:21:02 AM
 Data Type: Reprocessed on 4/28/2006 2:30:55 PM
 Initial Sample Vol:
 Sample Prep Vol:

Mean Data: Calib_Bank_1

Analyte	Mean	Corrected	Std.Dev.	RSD	Calib	
	Intensity				Conc.	Units
In Axial	384228.8	2107.46	0.55%	100.000	%	
In Radial	19945.0	166.72	0.84%	100.00	%	
Y_Axial	1610640.7	6907.79	0.43%	100.00	%	
Y_Radial	143491.5	2122.34	1.48%	100.00	%	
Sc Axial	2993391.6	15522.36	0.52%	100.00	%	
Sc Radial	278428.3	4283.78	1.54%	100.00	%	
Al_1 396.153 Rt	-318.3	17.79	5.59%	[0.00]	mg/L	
Al_2 308.215 Rt	95.4	6.39	6.69%	[0.00]	mg/L	
Ca_315.887 Rt	-369.7	75.03	20.30%	[0.00]	mg/L	
Fe_1 273.955t	84.2	51.13	60.70%	[0.00]	mg/L	
Fe_2 238.863 Rt	55.7	1.14	2.04%	[0.00]	mg/L	
Mg_279.077 Rt	-180.3	2.01	1.11%	[0.00]	mg/L	
Na_1 589.592 Rt	362.6	75.35	20.78%	[0.00]	mg/L	
Na_2 330.237 Rt	129.0	46.21	35.83%	[0.00]	mg/L	
Zn_206.200t	34.9	0.94	2.69%	[0.00]	mg/L	

Sequence No.: 2
 Sample ID: Calib_Std_1
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 2
 Date Collected: 4/28/2006 8:24:39 AM
 Data Type: Reprocessed on 4/28/2006 2:30:56 PM
 Initial Sample Vol:
 Sample Prep Vol:

Mean Data: Calib_Std_1

	Mean	Corrected		Calib
Analyte	Intensity	Std.Dev.	RSD	Conc. Units
In Axial	348572.2	568.14	0.16%	90.720 %
In Radial	18660.9	147.02	0.79%	93.562 %
Y Axial	1490332.9	1336.21	0.09%	92.530 %
Y Radial	132840.3	1103.34	0.83%	92.577 %
Sc Axial	2836389.4	2257.50	0.08%	94.755 %
Sc Radial	262170.6	2215.51	0.85%	94.161 %
Al_1 396.153 Rt	494074.3	1570.44	0.32%	[50] mg/L
Al_2 308.215 Rt	130081.0	96.83	0.07%	[50] mg/L
Ca 315.887 Rt	861811.8	5995.64	0.70%	[50] mg/L
Fe_1 273.955†	2431477.1	3609.56	0.15%	[50] mg/L
Fe_2 238.863 Rt	52407.5	96.36	0.18%	[50] mg/L
Mg 279.077 Rt	110879.9	539.06	0.49%	[50] mg/L
Na_1 589.592 Rt	512845.9	2517.28	0.49%	[50] mg/L
Na_2 330.237 Rt	3531.7	123.64	3.50%	[50] mg/L
Zn 206.200†	143197.9	185.25	0.13%	[5.0] mg/L

Sequence No.: 3
 Sample ID: ZZZZZ
 Analyst:
 Initial Sample Wt:
 Dilution:

Autosampler Location: 3
 Date Collected: 4/28/2006 8:26:56 AM
 Data Type: Reprocessed on 4/28/2006 2:31:12 PM
 Initial Sample Vol:
 Sample Prep Vol:

Mean Data: ZZZZZ

Analyte	Mean Corrected	Calib	Sample	RSD
	Intensity	Conc. Units	Std.Dev.	
In Axial	305772.6	79.581 %	1.0465	1.31%
In Radial	17064.4	85.557 %	3.1562	3.69%
Y_Axial	1369300.5	85.016 %	0.9276	1.09%
Y_Radial	123804.1	86.280 %	2.8454	3.30%
Sc Axial	2623168.7	87.632 %	0.9504	1.08%
Sc Radial	249701.5	89.683 %	1.5102	1.68%
Al_2 308.215 Rt	670230.8	257.62 mg/L	11.567	4.49%
Ca_315.887 Rt	4249542.2	246.55 mg/L	12.431	5.04%
Fe_2 238.863 Rt	266752.5	254.50 mg/L	12.684	4.98%
Mg_279.077 Rt	556539.4	250.96 mg/L	12.887	5.13%
Na_1 589.592 Rt	2610710.9	254.53 mg/L	11.953	4.70%
Na_2 330.237 Rt	16753.1	237.09 mg/L	0.131	0.06%

Sample conc. not calculated. Initial Wt. AND Prep. Volume required OR sample units incorrect.

Sequence No.: 4
Sample ID: Calib_Std_2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 4/28/2006 8:28:41 AM
Data Type: Reprocessed on 4/28/2006 2:31:13 PM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: Calib_Std_2

Analyte	Mean Corrected			Calib
	Intensity	Std.Dev.	RSD	Conc. Units
In Axial	304333.5	4604.37	1.51%	79.206 %
In Radial	16900.2	213.10	1.26%	84.734 %
Y_Axial	1364948.5	21678.05	1.59%	84.746 %
Y_Radial	122654.4	1949.56	1.59%	85.479 %
Sc Axial	2617850.1	40282.97	1.54%	87.454 %
Sc Radial	248820.9	485.72	0.20%	89.366 %
Al_2 308.215 Rt	674613.5	9618.40	1.43%	[250] mg/L
Ca_315.887 Rt	4263760.6	60139.22	1.41%	[250] mg/L
Fe_2 238.863 Rt	267992.1	3924.68	1.46%	[250] mg/L
Mg_279.077 Rt	557640.0	7514.54	1.35%	[250] mg/L
Na_1 589.592 Rt	2618160.1	39038.71	1.49%	[250] mg/L
Na_2 330.237 Rt	16666.2	105.30	0.63%	[250] mg/L

Sequence No.: 5
 Sample ID: ICV4
 Analyst: AWW
 Initial Sample Wt:
 Dilution:

Autosampler Location: 10
 Date Collected: 4/28/2006 8:31:04 AM
 Data Type: Reprocessed on 4/28/2006 2:31:14 PM
 Initial Sample Vol: 1 mL
 Sample Prep Vol: 1 mL

Mean Data: ICV4

Analyte	Mean Corrected	Calib	Sample	RSD
	Intensity	Conc. Units	Std.Dev.	
In Axial	368319.7	95.859 %	2.2287	2.32%
In Radial	19200.7	96.268 %	2.7374	2.84%
Y_Axial	1537213.2	95.441 %	0.5571	0.58%
Y_Radial	134647.4	93.836 %	1.7938	1.91%
Sc Axial	2903518.5	96.998 %	0.6249	0.64%
Sc Radial	272933.0	98.026 %	0.5669	0.58%
Al_1 396.153 Rt	99502.3	10.070 mg/L	0.1309	1.30%
Al_2 308.215 Rt	26002.7	9.6495 mg/L	0.05483	0.57%
Ca 315.887 Rt	166465.8	9.7565 mg/L	0.06393	0.66%
Fe_1 273.955†	489652.3	10.069 mg/L	0.1933	1.92%
Fe_2 238.863 Rt	10525.6	9.8273 mg/L	0.00350	0.04%
Mg 279.077 Rt	22000.0	9.8652 mg/L	0.05510	0.56%
Na_1 589.592 Rt	102483.0	9.7935 mg/L	0.11688	1.19%
Na_2 330.237 Rt	609.9	8.5711 mg/L	0.60504	0.60504
Zn 206.200†	27677.3	0.96640 mg/L	0.021555	0.021555

Sequence No.: 6
 Sample ID: ICB
 Analyst: AWW
 Initial Sample Wt:
 Dilution:

Autosampler Location: 12
 Date Collected: 4/28/2006 8:33:27 AM
 Data Type: Reprocessed on 4/28/2006 2:31:15 PM
 Initial Sample Vol: 1 mL
 Sample Prep Vol: 1 mL

Mean Data: ICB

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	379692.1	98.819 %	1.7549			1.78%
In Radial	19966.6	100.11 %	1.263			1.26%
Y Axial	1589195.9	98.669 %	1.4169			1.44%
Y Radial	139848.0	97.461 %	1.5703			1.61%
Sc Axial	2950264.9	98.559 %	1.4857			1.51%
Sc Radial	271014.0	97.337 %	1.6870			1.73%
Al_1 396.153 Rt	71.4	0.00722 mg/L	0.005553	0.00722 mg/L	0.005553	76.89%
Al_2 308.215 Rt	-0.6	-0.00022 mg/L	0.003797	-0.00022 mg/L	0.003797	>999.9%
Ca 315.887 Rt	74.8	0.00438 mg/L	0.001486	0.00438 mg/L	0.001486	33.90%
Fe_1 273.955†	181.0	0.00372 mg/L	0.001458	0.00372 mg/L	0.001458	39.16%
Fe_2 238.863 Rt	12.8	0.01192 mg/L	0.007962	0.01192 mg/L	0.007962	66.82%
Mg 279.077 Rt	-0.8	-0.00037 mg/L	0.005846	-0.00037 mg/L	0.005846	>999.9%
Na_1 589.592 Rt	188.6	0.01802 mg/L	0.018492	0.01802 mg/L	0.018492	102.60%
Na_2 330.237 Rt	-33.5	-0.50212 mg/L	1.628549	-0.50212 mg/L	1.628549	324.34%
Zn 206.200†	4.8	0.00017 mg/L	0.000084	0.00017 mg/L	0.000084	49.71%

Sequence No.: 7
 Sample ID: PQL
 Analyst: AWW
 Initial Sample Wt:
 Dilution:

Autosampler Location: 38
 Date Collected: 4/28/2006 8:37:04 AM
 Data Type: Reprocessed on 4/28/2006 2:31:16 PM
 Initial Sample Vol: 0.0833 mL
 Sample Prep Vol: 100 mL

Mean Data: PQL

Analyte	Mean Corrected	Calib	Sample	RSD		
	Intensity	Conc. Units	Std.Dev.			
In Axial	384558.2	100.09 %	0.331	0.33%		
In Radial	19990.0	100.23 %	0.574	0.57%		
Y Axial	1604069.3	99.592 %	0.0994	0.10%		
Y Radial	139700.7	97.358 %	2.8218	2.90%		
Sc Axial	2996779.7	100.11 %	0.024	0.02%		
Sc Radial	272036.7	97.704 %	2.6682	2.73%		
Al_1 396.153 Rt	1031.9	0.10443 mg/L	0.006265	7.521	6.00%	
Al_2 308.215 Rt	276.4	0.10256 mg/L	0.002067	2.481	2.02%	
Ca 315.887 Rt	1804.8	0.10578 mg/L	0.001700	126.98 mg/L	2.041	1.61%
Fe_1 273.955†	1324.1	0.02723 mg/L	0.000320	32.687 mg/L	0.3838	1.17%
Fe_2 238.863 Rt	41.9	0.03916 mg/L	0.004639	47.010 mg/L	5.5687	11.85%
Mg 279.077 Rt	224.1	0.10051 mg/L	0.001584	120.66 mg/L	1.901	1.58%
Na_1 589.592 Rt	3107.9	0.29700 mg/L	0.004763	356.54 mg/L	5.718	1.60%
Na_2 330.237 Rt	-33.2	-0.50065 mg/L	0.029563	-601.02 mg/L	35.490	5.91%
Zn 206.200†	175.5	0.00613 mg/L	0.000050	7.3554 mg/L	0.06039	0.82%

Sequence No.: 8
 Sample ID: ICSA
 Analyst: AWW
 Initial Sample Wt:
 Dilution:

Autosampler Location: 14
 Date Collected: 4/28/2006 8:40:39 AM
 Data Type: Reprocessed on 4/28/2006 2:31:17 PM
 Initial Sample Vol: 1 mL
 Sample Prep Vol: 1 mL

Mean Data: ICSA

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	308724.6	80.349 %	0.2055			0.26%
In Radial	17379.2	87.136 %	1.6348			1.88%
Y Axial	1362902.3	84.619 %	0.1435			0.17%
Y Radial	125601.5	87.532 %	1.0904			1.25%
Sc Axial	2602495.8	86.941 %	0.1957			0.23%
Sc Radial	244954.6	87.978 %	0.0098			0.01%
Al_1 396.153 R†	4883568.0	494.21 mg/L	7.913	494.21 mg/L	7.913	1.60%
Al_2 308.215 R†	1274953.6	473.13 mg/L	4.280	473.13 mg/L	4.280	0.90%
Ca 315.887 R†	7989684.9	468.27 mg/L	10.067	468.27 mg/L	10.067	2.15%
Fe_1 273.955†	9031473.7	185.72 mg/L	1.643	185.72 mg/L	1.643	0.88%
Fe_2 238.863 R†	198528.3	185.36 mg/L	1.117	185.36 mg/L	1.117	0.60%
Mg 279.077 R†	1024954.2	459.61 mg/L	5.963	459.61 mg/L	5.963	1.30%
Na_1 589.592 R†	111.7	0.01067 mg/L	0.018774	0.01067 mg/L	0.018774	175.96%
Na_2 330.237 R†	-69.6	-2.5689 mg/L	0.11940	-2.5689 mg/L	0.11940	4.65%
Zn 206.200†	199.6	0.00697 mg/L	0.000651	0.00697 mg/L	0.000651	9.34%

Sequence No.: 9
 Sample ID: ICSAB_4.0
 Analyst: AWW
 Initial Sample Wt:
 Dilution:

Autosampler Location: 15
 Date Collected: 4/28/2006 8:43:11 AM
 Data Type: Reprocessed on 4/28/2006 2:31:19 PM
 Initial Sample Vol: 1 mL
 Sample Prep Vol: 1 mL

Mean Data: ICSAB_4.0

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	306929.4	79.882 %	2.4182			3.03%
In Radial	17282.0	86.648 %	0.9724			1.12%
Y Axial	1346981.7	83.630 %	0.8909			1.07%
Y Radial	125093.7	87.178 %	0.6288			0.72%
Sc Axial	2563160.9	85.627 %	0.9572			1.12%
Sc Radial	246844.9	88.657 %	2.3521			2.65%
Al_1 396.153 Rt	4813813.7	487.15 mg/L	1.219	487.15 mg/L	1.219	0.25%
Al_2 308.215 Rt	1291158.2	479.14 mg/L	15.276	479.14 mg/L	15.276	3.19%
Ca 315.887 Rt	7877866.6	461.72 mg/L	0.573	461.72 mg/L	0.573	0.12%
Fe_1 273.955t	9152884.7	188.22 mg/L	0.830	188.22 mg/L	0.830	0.44%
Fe_2 238.863 Rt	198993.4	185.79 mg/L	0.345	185.79 mg/L	0.345	0.19%
Mg 279.077 Rt	1042654.1	467.55 mg/L	17.697	467.55 mg/L	17.697	3.79%
Na_1 589.592 Rt	-89.5	-0.00855 mg/L	0.001177	-0.00855 mg/L	0.001177	13.76%
Na_2 330.237 Rt	33.4	-1.5405 mg/L	2.08047	-1.5405 mg/L	2.08047	135.05%
Zn 206.200t	27703.7	0.96732 mg/L	0.029327	0.96732 mg/L	0.029327	3.03%

Sequence No.: 16
 Sample ID: CCV
 Analyst: AWW
 Initial Sample Wt:
 Dilution:

Autosampler Location: 7
 Date Collected: 4/28/2006 9:10:33 AM
 Data Type: Reprocessed on 4/28/2006 2:31:26 PM
 Initial Sample Vol: 1 mL
 Sample Prep Vol: 1 mL

Mean Data: CCV

Analyte	Mean Corrected	Calib	Sample	Std.Dev.	RSD
	Intensity	Conc. Units	Conc. Units		
In Axial	356147.7	92.692 %	1.7583		1.90%
In Radial	19275.7	96.644 %	0.7605		0.79%
Y_Axial	1506720.2	93.548 %	1.6711		1.79%
Y_Radial	135361.8	94.334 %	0.5708		0.61%
Sc Axial	2882813.5	96.306 %	0.1117		0.12%
Sc Radial	267173.7	95.958 %	0.5047		0.53%
Al_1 396.153 Rt	242852.8	24.577 mg/L	24.577 mg/L	0.0516	0.21%
Al_2 308.215 Rt	65257.2	24.217 mg/L	24.217 mg/L	0.0101	0.04%
Ca 315.887 Rt	428864.6	25.136 mg/L	25.136 mg/L	0.0552	0.22%
Fe_1 273.955†	1242512.2	25.551 mg/L	25.551 mg/L	0.0461	0.18%
Fe_2 238.863 Rt	26745.2	24.971 mg/L	24.971 mg/L	0.0635	0.25%
Mg 279.077 Rt	56695.9	25.423 mg/L	25.423 mg/L	0.0331	0.13%
Na_1 589.592 Rt	251362.8	24.021 mg/L	24.021 mg/L	0.0574	0.24%
Na_2 330.237 Rt	1820.6	25.785 mg/L	25.785 mg/L	0.8892	3.45%
Zn 206.200†	72630.5	2.5360 mg/L	2.5360 mg/L	0.00733	0.29%

Sequence No.: 17
 Sample ID: CCB
 Analyst: AWW
 Initial Sample Wt:
 Dilution:

Autosampler Location: 5
 Date Collected: 4/28/2006 9:12:56 AM
 Data Type: Reprocessed on 4/28/2006 2:31:27 PM
 Initial Sample Vol: 1 mL
 Sample Prep Vol: 1 mL

Mean Data: CCB

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	382727.2	99.609 %	0.2348			0.24%
In Radial	20190.3	101.23 %	0.940			0.93%
Y_Axial	1605782.8	99.698 %	0.3447			0.35%
Y_Radial	140040.5	97.595 %	2.0948			2.15%
Sc Axial	2981031.8	99.587 %	0.3553			0.36%
Sc Radial	271659.3	97.569 %	2.2673			2.32%
Al_1 396.153 Rt	20.8	0.00210 mg/L	0.011012	0.00210 mg/L	0.011012	523.19%
Al_2 308.215 Rt	19.5	0.00725 mg/L	0.006559	0.00725 mg/L	0.006559	90.43%
Ca_315.887 Rt	90.7	0.00532 mg/L	0.000607	0.00532 mg/L	0.000607	11.42%
Fe_1 273.955†	55.5	0.00114 mg/L	0.000238	0.00114 mg/L	0.000238	20.84%
Fe_2 238.863 Rt	5.0	0.00464 mg/L	0.003792	0.00464 mg/L	0.003792	81.70%
Mg_279.077 Rt	-4.4	-0.00197 mg/L	0.001586	-0.00197 mg/L	0.001586	80.42%
Na_1 589.592 Rt	20.0	0.00191 mg/L	0.004836	0.00191 mg/L	0.004836	253.52%
Na_2 330.237 Rt	-47.9	-0.71761 mg/L	0.621296	-0.71761 mg/L	0.621296	86.58%
Zn_206.200†	7.2	0.00025 mg/L	0.000135	0.00025 mg/L	0.000135	53.88%

Sequence No.: 28
 Sample ID: CCV
 Analyst: AWW
 Initial Sample Wt:
 Dilution:

Autosampler Location: 7
 Date Collected: 4/28/2006 9:52:21 AM
 Data Type: Reprocessed on 4/28/2006 2:31:38 PM
 Initial Sample Vol: 1 mL
 Sample Prep Vol: 1 mL

Mean Data: CCV

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	357571.5	93.062 %	0.1412			0.15%
In Radial	19800.5	99.275 %	0.1335			0.13%
Y Axial	1516016.0	94.125 %	0.0911			0.10%
Y Radial	138832.7	96.753 %	0.2570			0.27%
Sc Axial	2924095.5	97.685 %	1.7962			1.84%
Sc Radial	273308.1	98.161 %	0.5196			0.53%
Al_1 396.153 Rt	236283.3	23.912 mg/L	0.0038	23.912 mg/L	0.0038	0.02%
Al_2 308.215 Rt	64272.9	23.851 mg/L	0.0429	23.851 mg/L	0.0429	0.18%
Ca 315.887 Rt	425415.4	24.933 mg/L	0.0624	24.933 mg/L	0.0624	0.25%
Fe_1 273.955†	1229674.8	25.287 mg/L	0.0266	25.287 mg/L	0.0266	0.11%
Fe_2 238.863 Rt	26519.5	24.760 mg/L	0.0105	24.760 mg/L	0.0105	0.04%
Mg 279.077 Rt	56340.0	25.264 mg/L	0.1135	25.264 mg/L	0.1135	0.45%
Na_1 589.592 Rt	245734.7	23.483 mg/L	0.0171	23.483 mg/L	0.0171	0.07%
Na_2 330.237 Rt	1756.6	24.840 mg/L	0.0824	24.840 mg/L	0.0824	0.33%
Zn 206.200†	71976.8	2.5132 mg/L	0.00261	2.5132 mg/L	0.00261	0.10%

Sequence No.: 29
 Sample ID: CCB
 Analyst: AWW
 Initial Sample Wt:
 Dilution:

Autosampler Location: 5
 Date Collected: 4/28/2006 9:54:44 AM
 Data Type: Reprocessed on 4/28/2006 2:31:38 PM
 Initial Sample Vol: 1 mL
 Sample Prep Vol: 1 mL

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
In Axial	382163.1	99.462 %	0.5521			0.56%
In Radial	20376.2	102.16 %	0.631			0.62%
Y_Axial	1611771.4	100.07 %	0.526			0.53%
Y_Radial	145449.6	101.36 %	0.702			0.69%
Sc Axial	2989999.1	99.887 %	0.4781			0.48%
Sc Radial	281696.1	101.17 %	0.952			0.94%
Al_1 396.153 Rt	4.5	0.00045 mg/L	0.008942	0.00045 mg/L	0.008942	>999.9%
Al_2 308.215 Rt	13.5	0.00502 mg/L	0.002261	0.00502 mg/L	0.002261	45.06%
Ca 315.887 Rt	-7.4	-0.00043 mg/L	0.001252	-0.00043 mg/L	0.001252	288.29%
Fe_1 273.955†	87.0	0.00179 mg/L	0.000374	0.00179 mg/L	0.000374	20.90%
Fe_2 238.863 Rt	9.7	0.00906 mg/L	0.004515	0.00906 mg/L	0.004515	49.81%
Mg 279.077 Rt	8.0	0.00358 mg/L	0.005166	0.00358 mg/L	0.005166	144.24%
Na_1 589.592 Rt	88.6	0.00846 mg/L	0.012862	0.00846 mg/L	0.012862	151.97%
Na_2 330.237 Rt	-15.6	-0.23385 mg/L	0.837071	-0.23385 mg/L	0.837071	357.95%
Zn 206.200†	6.8	0.00024 mg/L	0.000006	0.00024 mg/L	0.000006	2.36%

Sequence No.: 34
 Sample ID: H34FMB
 Analyst: AWW
 Initial Sample Wt:
 Dilution:

Autosampler Location: 59
 Date Collected: 4/28/2006 10:12:45 AM
 Data Type: Reprocessed on 4/28/2006 2:31:41 PM
 Initial Sample Vol: 0.0833 mL
 Sample Prep Vol: 100 mL

Mean Data: H34FMB

Analyte	Mean Corrected	Calib		Sample		
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	RSD
In Axial	387656.0	100.89 %	1.333			1.32%
In Radial	20923.5	104.91 %	0.930			0.89%
Y_Axial	1628333.0	101.10 %	1.352			1.34%
Y_Radial	147183.0	102.57 %	0.243			0.24%
Sc Axial	3030266.5	101.23 %	1.344			1.33%
Sc Radial	285061.4	102.38 %	0.373			0.36%
Al_1 396.153 Rt	17.9	0.00182 mg/L	0.000888	2.1798 mg/L	1.06658	48.93%
Al_2 308.215 Rt	-4.1	-0.00154 mg/L	0.003985	-1.8463 mg/L	4.78434	259.13%
Ca 315.887 Rt	-119.8	-0.00702 mg/L	0.001848	-8.4260 mg/L	2.21900	26.34%
Fe_1 273.955†	-77.7	-0.00160 mg/L	0.000019	-1.9180 mg/L	0.02302	1.20%
Fe_2 238.863 Rt	-1.3	-0.00117 mg/L	0.003045	-1.4089 mg/L	3.65504	259.43%
Mg_279.077 Rt	-21.2	-0.00951 mg/L	0.014626	-11.412 mg/L	17.5585	153.86%
Na_1 589.592 Rt	37.8	0.00361 mg/L	0.006494	4.3330 mg/L	7.79608	179.92%
Na_2 330.237 Rt	-133.8	-2.0023 mg/L	0.12049	-2403.7 mg/L	144.65	6.02%
Zn 206.200†	19.0	0.00067 mg/L	0.000004	0.79846 mg/L	0.004393	0.55%

Sequence No.: 35
 Sample ID: H34FMC
 Analyst: AWW
 Initial Sample Wt:
 Dilution:

Autosampler Location: 60
 Date Collected: 4/28/2006 10:16:18 AM
 Data Type: Reprocessed on 4/28/2006 2:31:42 PM
 Initial Sample Vol: 0.0833 mL
 Sample Prep Vol: 100 mL

Mean Data: H34FMC

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
In Axial	362863.2	94.439 %	0.7656			0.81%
In Radial	19884.0	99.694 %	0.2610			0.26%
Y_Axial	1555521.9	96.578 %	1.3723			1.42%
Y_Radial	139989.0	97.559 %	1.2230			1.25%
Sc Axial	2949820.1	98.544 %	1.3099			1.33%
Sc Radial	277568.5	99.691 %	1.4144			1.42%
Al_1 396.153 Rt	18390.2	1.8611 mg/L	0.00745	2234.2 mg/L	8.95	0.40%
Al_2 308.215 Rt	4764.4	1.7681 mg/L	0.01993	2122.5 mg/L	23.93	1.13%
Ca_315.887 Rt	775957.6	45.479 mg/L	0.0663	54596 mg/L	79.6	0.15%
Fe_1 273.955†	46467.6	0.95554 mg/L	0.004724	1147.1 mg/L	5.67	0.49%
Fe_2 238.863 Rt	1024.0	0.95610 mg/L	0.012371	1147.8 mg/L	14.85	1.29%
Mg_279.077 Rt	103380.7	46.358 mg/L	0.1849	55652 mg/L	222.0	0.40%
Na_1 589.592 Rt	461052.7	44.059 mg/L	0.0657	52892 mg/L	78.9	0.15%
Na_2 330.237 Rt	2946.8	43.611 mg/L	0.9527	52354 mg/L	1143.7	2.18%
Zn_206.200†	13353.8	0.46627 mg/L	0.002212	559.75 mg/L	2.656	0.47%

Sequence No.: 36
 Sample ID: H34FML
 Analyst: AWW
 Initial Sample Wt:
 Dilution:

Autosampler Location: 61
 Date Collected: 4/28/2006 10:19:16 AM
 Data Type: Reprocessed on 4/28/2006 2:31:42 PM
 Initial Sample Vol: 0.0833 mL
 Sample Prep Vol: 100 mL

Mean Data: H34FML

Analyte	Mean Corrected			Calib	Std.Dev.	Sample			RSD
	Intensity	Conc.	Units			Conc.	Units	Std.Dev.	
In Axial	365030.4	95.003	%	0.6140					0.65%
In Radial	19978.5	100.17	%	0.743					0.74%
Y_Axial	1545453.0	95.953	%	0.6107					0.64%
Y_Radial	137689.2	95.956	%	0.8566					0.89%
Sc Axial	2929813.0	97.876	%	0.6091					0.62%
Sc Radial	272468.2	97.859	%	0.8387					0.86%
Al_1 396.153 Rt	18404.6	1.8625	mg/L	0.01255	2235.9	mg/L	15.06	0.67%	
Al_2 308.215 Rt	4961.1	1.8410	mg/L	0.01444	2210.1	mg/L	17.34	0.78%	
Ca_315.887 Rt	777000.8	45.540	mg/L	0.3064	54670	mg/L	367.8	0.67%	
Fe_1 273.955t	47727.2	0.98144	mg/L	0.002491	1178.2	mg/L	2.99	0.25%	
Fe_2 238.863 Rt	1057.4	0.98723	mg/L	0.004546	1185.2	mg/L	5.46	0.46%	
Mg_279.077 Rt	103264.6	46.306	mg/L	0.1801	55589	mg/L	216.2	0.39%	
Na_1 589.592 Rt	463687.2	44.311	mg/L	0.2237	53195	mg/L	268.6	0.50%	
Na_2 330.237 Rt	3044.8	45.071	mg/L	0.1398	54106	mg/L	167.9	0.31%	
Zn 206.200t	13722.9	0.47916	mg/L	0.002354	575.22	mg/L	2.826	0.49%	

Sequence No.: 37
 Sample ID: H3KFF
 Analyst: AWW
 Initial Sample Wt:
 Dilution:

Autosampler Location: 62
 Date Collected: 4/28/2006 10:22:47 AM
 Data Type: Reprocessed on 4/28/2006 2:31:43 PM
 Initial Sample Vol: 0.0833 mL
 Sample Prep Vol: 100 mL

Mean Data: H3KFF

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	392067.3	102.04 %	1.190			1.17%
In Radial	21612.5	108.36 %	0.884			0.82%
Y_Axial	1646901.0	102.25 %	1.023			1.00%
Y_Radial	150577.9	104.94 %	1.171			1.12%
Sc Axial	3066516.1	102.44 %	1.133			1.11%
Sc Radial	292320.1	104.99 %	0.998			0.95%
Al_1 396.153 Rt	851.0	0.08612 mg/L	0.003362	103.38 mg/L	4.036	3.90%
Al_2 308.215 Rt	207.9	0.07715 mg/L	0.004378	92.620 mg/L	5.2558	5.67%
Ca 315.887 Rt	5719.7	0.33523 mg/L	0.002174	402.44 mg/L	2.609	0.65%
Fe_1 273.955t	5174.4	0.10640 mg/L	0.002144	127.74 mg/L	2.574	2.02%
Fe_2 238.863 Rt	109.5	0.10225 mg/L	0.001922	122.75 mg/L	2.307	1.88%
Mg_279.077 Rt	203.7	0.09133 mg/L	0.008461	109.64 mg/L	10.158	9.26%
Na_1 589.592 Rt	5748.4	0.54933 mg/L	0.004053	659.46 mg/L	4.865	0.74%
Na_2 330.237 Rt	5.4	0.07473 mg/L	0.006144	89.711 mg/L	7.3753	8.22%
Zn 206.200t	229.4	0.00801 mg/L	0.000141	9.6159 mg/L	0.16903	1.76%

Sequence No.: 38
 Sample ID: H3KFFP5
 Analyst: AWW
 Initial Sample Wt:
 Dilution:

Autosampler Location: 63
 Date Collected: 4/28/2006 10:26:20 AM
 Data Type: Reprocessed on 4/28/2006 2:31:43 PM
 Initial Sample Vol: 0.0833 mL
 Sample Prep Vol: 100 mL

Mean Data: H3KFFP5

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample		Std.Dev.	RSD
				Conc.	Units		
In Axial	381438.0	99.274 %	0.3714				0.37%
In Radial	20442.0	102.49 %	0.609				0.59%
Y_ Axial	1606992.9	99.774 %	0.3309				0.33%
Y_ Radial	144409.5	100.64 %	0.442				0.44%
Sc Axial	2981007.1	99.586 %	0.2673				0.27%
Sc Radial	280047.7	100.58 %	0.502				0.50%
Al_1 396.153 Rt	175.8	0.01779 mg/L	0.014721	21.356	mg/L	17.6717	82.75%
Al_2 308.215 Rt	37.1	0.01379 mg/L	0.005922	16.549	mg/L	7.1090	42.96%
Ca 315.887 Rt	1323.8	0.07759 mg/L	0.000452	93.141	mg/L	0.5424	0.58%
Fe_1 273.955†	1010.2	0.02077 mg/L	0.000540	24.938	mg/L	0.6488	2.60%
Fe_2 238.863 Rt	29.8	0.02786 mg/L	0.001167	33.446	mg/L	1.4012	4.19%
Mg 279.077 Rt	35.0	0.01571 mg/L	0.001311	18.856	mg/L	1.5734	8.34%
Na_1 589.592 Rt	1280.0	0.12232 mg/L	0.008238	146.85	mg/L	9.890	6.73%
Na_2 330.237 Rt	-80.0	-1.1999 mg/L	0.29527	-1440.5	mg/L	354.46	24.61%
Zn 206.200†	102.4	0.00358 mg/L	0.000048	4.2930	mg/L	0.05786	1.35%

Sequence No.: 39
 Sample ID: H3KFFZ
 Analyst: AWW
 Initial Sample Wt:
 Dilution:

Autosampler Location: 64
 Date Collected: 4/28/2006 10:29:57 AM
 Data Type: Reprocessed on 4/28/2006 2:31:44 PM
 Initial Sample Vol: 0.0833 mL
 Sample Prep Vol: 100 mL

Mean Data: H3KFFZ

Analyte	Mean Corrected		Calib	Std.Dev.	Sample		RSD
	Intensity	Conc. Units			Conc. Units	Std.Dev.	
In Axial	364449.3	94.852 %	1.5266				1.61%
In Radial	19902.4	99.786 %	0.4490				0.45%
Y_Axial	1560399.2	96.881 %	0.2936				0.30%
Y_Radial	138857.6	96.771 %	1.3619				1.41%
Sc Axial	2956534.8	98.769 %	0.2715				0.27%
Sc Radial	274564.3	98.612 %	1.3378				1.36%
Al_1 396.153 Rt	19823.2	2.0061 mg/L	0.00099	2408.3 mg/L		1.19	0.05%
Al_2 308.215 Rt	5194.3	1.9276 mg/L	0.03533	2314.0 mg/L		42.41	1.83%
Ca_315.887 Rt	804052.7	47.125 mg/L	0.0428	56573 mg/L		51.4	0.09%
Fe_1 273.955†	54884.4	1.1286 mg/L	0.01910	1354.9 mg/L		22.93	1.69%
Fe_2 238.863 Rt	1207.6	1.1275 mg/L	0.01744	1353.5 mg/L		20.94	1.55%
Mg_279.077 Rt	108338.0	48.581 mg/L	0.0856	58320 mg/L		102.8	0.18%
Na_1 589.592 Rt	488582.4	46.690 mg/L	0.0223	56051 mg/L		26.7	0.05%
Na_2 330.237 Rt	3155.2	46.703 mg/L	1.2031	56066 mg/L		1444.3	2.58%
Zn_206.200†	14387.1	0.50235 mg/L	0.008652	603.06 mg/L		10.387	1.72%

Sequence No.: 40
 Sample ID: CCV
 Analyst: AWW
 Initial Sample Wt:
 Dilution:

Autosampler Location: 7
 Date Collected: 4/28/2006 10:33:28 AM
 Data Type: Reprocessed on 4/28/2006 2:31:45 PM
 Initial Sample Vol: 1 mL
 Sample Prep Vol: 1 mL

Mean Data: CCV

Analyte	Mean Corrected		Calib	Std.Dev.	Sample		RSD
	Intensity	Conc. Units			Conc. Units	Std.Dev.	
In Axial	354266.8	92.202 %	0.4037				0.44%
In Radial	19545.8	97.998 %	0.4537				0.46%
Y_ Axial	1501929.7	93.250 %	0.4973				0.53%
Y_ Radial	137025.7	95.494 %	0.6082				0.64%
Sc Axial	2913920.4	97.345 %	0.5953				0.61%
Sc Radial	269370.1	96.747 %	0.5397				0.56%
Al_1 396.153 Rt	245194.5	24.814 mg/L	0.2003	24.814 mg/L	0.2003		0.81%
Al_2 308.215 Rt	63701.6	23.639 mg/L	0.0763	23.639 mg/L	0.0763		0.32%
Ca 315.887 Rt	425251.3	24.924 mg/L	0.0110	24.924 mg/L	0.0110		0.04%
Fe_1 273.955†	1233272.2	25.361 mg/L	0.0451	25.361 mg/L	0.0451		0.18%
Fe_2 238.863 Rt	26494.1	24.736 mg/L	0.0466	24.736 mg/L	0.0466		0.19%
Mg 279.077 Rt	56247.3	25.222 mg/L	0.0151	25.222 mg/L	0.0151		0.06%
Na_1 589.592 Rt	253788.9	24.253 mg/L	0.2187	24.253 mg/L	0.2187		0.90%
Na_2 330.237 Rt	1732.4	24.465 mg/L	1.0536	24.465 mg/L	1.0536		4.31%
Zn 206.200†	72645.8	2.5366 mg/L	0.00389	2.5366 mg/L	0.00389		0.15%

Sequence No.: 41
 Sample ID: CCB
 Analyst: AWW
 Initial Sample Wt:
 Dilution:

Autosampler Location: 5
 Date Collected: 4/28/2006 10:35:48 AM
 Data Type: Reprocessed on 4/28/2006 2:31:45 PM
 Initial Sample Vol: 1 mL
 Sample Prep Vol: 1 mL

Mean Data: CCB

Analyte	Mean Corrected		Calib	Sample		RSD
	Intensity	Conc. Units		Std.Dev.	Conc. Units	
In Axial	382697.1	99.601 %	0.4394			0.44%
In Radial	20293.5	101.75 %	1.455			1.43%
Y_Axial	1612835.2	100.14 %	0.844			0.84%
Y_Radial	144778.4	100.90 %	2.359			2.34%
Sc Axial	2994298.8	100.03 %	0.714			0.71%
Sc Radial	280486.4	100.74 %	2.358			2.34%
Al_1 396.153 Rt	4.6	0.00047 mg/L	0.006135	0.00047 mg/L	0.006135	>999.9%
Al_2 308.215 Rt	-13.1	-0.00486 mg/L	0.003911	-0.00486 mg/L	0.003911	80.48%
Ca 315.887 Rt	48.5	0.00284 mg/L	0.000349	0.00284 mg/L	0.000349	12.29%
Fe_1 273.955t	71.0	0.00146 mg/L	0.000077	0.00146 mg/L	0.000077	5.27%
Fe_2 238.863 Rt	19.3	0.01798 mg/L	0.010503	0.01798 mg/L	0.010503	58.42%
Mg 279.077 Rt	18.4	0.00823 mg/L	0.004817	0.00823 mg/L	0.004817	58.50%
Na_1 589.592 Rt	152.8	0.01461 mg/L	0.006667	0.01461 mg/L	0.006667	45.64%
Na_2 330.237 Rt	-38.5	-0.57645 mg/L	0.404281	-0.57645 mg/L	0.404281	70.13%
Zn 206.200t	16.4	0.00057 mg/L	0.000028	0.00057 mg/L	0.000028	4.91%

Sequence No.: 42
 Sample ID: H3KFG
 Analyst: AWW
 Initial Sample Wt:
 Dilution:

Autosampler Location: 65
 Date Collected: 4/28/2006 10:39:25 AM
 Data Type: Reprocessed on 4/28/2006 2:31:48 PM
 Initial Sample Vol: 0.0833 mL
 Sample Prep Vol: 100 mL

Mean Data: H3KFG

Analyte	Mean Corrected	Calib	Sample	RSD
	Intensity	Conc. Units	Conc. Units	
In Axial	389219.7	101.30 %	1.823	1.80%
In Radial	20951.5	105.05 %	0.478	0.46%
Y_Axial	1636225.2	101.59 %	1.739	1.71%
Y_Radial	148112.3	103.22 %	0.188	0.18%
Sc Axial	3048983.1	101.86 %	1.674	1.64%
Sc Radial	287706.4	103.33 %	0.233	0.23%
Al_1 396.153 Rt	909.5	0.09204 mg/L	0.001183	1.420
Al_2 308.215 Rt	245.5	0.09110 mg/L	0.003126	3.752
Ca 315.887 Rt	5944.4	0.34840 mg/L	0.001690	2.029
Fe_1 273.955†	5364.9	0.11032 mg/L	0.000970	1.164
Fe_2 238.863 Rt	102.6	0.09581 mg/L	0.001540	1.849
Mg 279.077 Rt	202.3	0.09072 mg/L	0.008489	10.191
Na_1 589.592 Rt	5002.8	0.47808 mg/L	0.018620	22.353
Na_2 330.237 Rt	-52.6	-0.79113 mg/L	0.171060	205.354
Zn 206.200†	141.5	0.00494 mg/L	0.000094	0.11324

Sequence No.: 43
 Sample ID: H3KHF
 Analyst: AWW
 Initial Sample Wt:
 Dilution:

Autosampler Location: 66
 Date Collected: 4/28/2006 10:43:00 AM
 Data Type: Reprocessed on 4/28/2006 2:31:49 PM
 Initial Sample Vol: 0.0833 mL
 Sample Prep Vol: 100 mL

Mean Data: H3KHF

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
In Axial	394116.8	102.57 %	1.140			1.11%
In Radial	21100.4	105.79 %	0.069			0.07%
Y Axial	1652378.4	102.59 %	1.018			0.99%
Y Radial	146415.1	102.04 %	0.917			0.90%
Sc Axial	3080391.9	102.91 %	1.078			1.05%
Sc Radial	284369.4	102.13 %	0.812			0.80%
Al_1 396.153 Rt	1008.7	0.10208 mg/L	0.004283	122.54 mg/L	5.141	4.20%
Al_2 308.215 Rt	255.7	0.09490 mg/L	0.002393	113.93 mg/L	2.873	2.52%
Ca 315.887 Rt	6431.8	0.37697 mg/L	0.000910	452.54 mg/L	1.092	0.24%
Fe_1 273.955†	6289.5	0.12934 mg/L	0.001789	155.26 mg/L	2.148	1.38%
Fe_2 238.863 Rt	134.4	0.12545 mg/L	0.006674	150.60 mg/L	8.012	5.32%
Mg 279.077 Rt	277.0	0.12420 mg/L	0.001711	149.10 mg/L	2.054	1.38%
Na_1 589.592 Rt	5498.6	0.52546 mg/L	0.006025	630.81 mg/L	7.233	1.15%
Na_2 330.237 Rt	-20.8	-0.31556 mg/L	0.306578	-378.83 mg/L	368.040	97.15%
Zn 206.200†	156.5	0.00547 mg/L	0.000129	6.5609 mg/L	0.15508	2.36%

Sequence No.: 44
 Sample ID: H3KFJ
 Analyst: AWW
 Initial Sample Wt:
 Dilution:

Autosampler Location: 67
 Date Collected: 4/28/2006 10:46:35 AM
 Data Type: Reprocessed on 4/28/2006 2:31:49 PM
 Initial Sample Vol: 0.0833 mL
 Sample Prep Vol: 100 mL

Mean Data: H3KFJ

Analyte	Mean Corrected	Calib	Sample	RSD
	Intensity	Conc. Units	Conc. Units	
In Axial	391487.6	101.89 %	0.729	0.72%
In Radial	20846.0	104.52 %	0.485	0.46%
Y Axial	1646217.6	102.21 %	0.523	0.51%
Y Radial	147930.2	103.09 %	1.164	1.13%
Sc Axial	3067781.0	102.49 %	0.620	0.61%
Sc Radial	287607.7	103.30 %	1.199	1.16%
Al_1 396.153 Rt	1059.3	0.10720 mg/L	0.003802	4.564 3.55%
Al_2 308.215 Rt	281.5	0.10447 mg/L	0.008191	9.833 7.84%
Ca 315.887 Rt	6757.6	0.39606 mg/L	0.000115	475.46 mg/L 0.138 0.03%
Fe_1 273.955t	7066.9	0.14532 mg/L	0.000515	174.45 mg/L 0.618 0.35%
Fe_2 238.863 Rt	149.1	0.13925 mg/L	0.012712	167.17 mg/L 15.260 9.13%
Mg 279.077 Rt	236.6	0.10607 mg/L	0.000018	127.34 mg/L 0.022 0.02%
Na_1 589.592 Rt	5305.9	0.50705 mg/L	0.011790	608.70 mg/L 14.153 2.33%
Na_2 330.237 Rt	-10.3	-0.15857 mg/L	0.029606	-190.36 mg/L 35.541 18.67%
Zn 206.200t	156.3	0.00546 mg/L	0.000060	6.5524 mg/L 0.07147 1.09%

Sequence No.: 45
 Sample ID: H3KFL
 Analyst: AWW
 Initial Sample Wt:
 Dilution:

Autosampler Location: 68
 Date Collected: 4/28/2006 10:50:14 AM
 Data Type: Reprocessed on 4/28/2006 2:31:50 PM
 Initial Sample Vol: 0.0833 mL
 Sample Prep Vol: 100 mL

Mean Data: H3KFL

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
In Axial	390537.8	101.64 %	0.334			0.33%
In Radial	20898.1	104.78 %	0.349			0.33%
Y Axial	1640955.8	101.88 %	0.587			0.58%
Y Radial	147075.2	102.50 %	1.832			1.79%
Sc Axial	3058126.7	102.16 %	0.532			0.52%
Sc Radial	2855552.3	102.56 %	2.024			1.97%
Al_1 396.153 Rt	1017.5	0.10297 mg/L	0.000020	123.61 mg/L	0.024	0.02%
Al_2 308.215 Rt	252.6	0.09375 mg/L	0.003104	112.55 mg/L	3.727	3.31%
Ca 315.887 Rt	6503.4	0.38117 mg/L	0.001145	457.58 mg/L	1.375	0.30%
Fe_1 273.955†	6091.5	0.12526 mg/L	0.001073	150.38 mg/L	1.288	0.86%
Fe_2 238.863 Rt	129.1	0.12051 mg/L	0.005116	144.67 mg/L	6.142	4.25%
Mg 279.077 Rt	227.7	0.10210 mg/L	0.007178	122.56 mg/L	8.617	7.03%
Na_1 589.592 Rt	5328.9	0.50924 mg/L	0.019757	611.34 mg/L	23.718	3.88%
Na_2 330.237 Rt	-13.2	-0.20059 mg/L	0.656764	-240.81 mg/L	788.432	327.41%
Zn 206.200†	102.0	0.00356 mg/L	0.000228	4.2749 mg/L	0.27424	6.42%

Sequence No.: 46
 Sample ID: H3KFM
 Analyst: AWW
 Initial Sample Wt:
 Dilution:

Autosampler Location: 69
 Date Collected: 4/28/2006 10:53:48 AM
 Data Type: Reprocessed on 4/28/2006 2:31:51 PM
 Initial Sample Vol: 0.0833 mL
 Sample Prep Vol: 100 mL

Mean Data: H3KFM

Analyte	Mean Corrected	Calib	Sample	RSD	
	Intensity	Conc. Units	Std.Dev.		
In Axial	395371.7	102.90 %	0.555	0.54%	
In Radial	21014.9	105.36 %	0.468	0.44%	
Y_Axial	1657208.6	102.89 %	0.601	0.58%	
Y_Radial	149869.0	104.44 %	2.671	2.56%	
Sc Axial	3088680.2	103.18 %	0.568	0.55%	
Sc Radial	291449.5	104.68 %	2.863	2.74%	
Al_1 396.153 Rt	1035.7	0.10481 mg/L	0.002858	125.82 mg/L	3.430 2.73%
Al_2 308.215 Rt	257.0	0.09537 mg/L	0.007018	114.49 mg/L	8.425 7.36%
Ca 315.887 Rt	6292.4	0.36880 mg/L	0.003020	442.73 mg/L	3.626 0.82%
Fe_1 273.955†	5971.5	0.12280 mg/L	0.001187	147.41 mg/L	1.425 0.97%
Fe_2 238.863 Rt	126.6	0.11823 mg/L	0.015013	141.94 mg/L	18.022 12.70%
Mg 279.077 Rt	226.3	0.10146 mg/L	0.003331	121.81 mg/L	3.998 3.28%
Na_1 589.592 Rt	5615.1	0.53660 mg/L	0.006886	644.17 mg/L	8.266 1.28%
Na_2 330.237 Rt	-1.3	-0.02248 mg/L	0.260664	-26.986 mg/L	312.9225 >999.9%
Zn 206.200†	111.6	0.00390 mg/L	0.000093	4.6783 mg/L	0.11149 2.38%

Sequence No.: 47
 Sample ID: H3KFP
 Analyst: AWW
 Initial Sample Wt:
 Dilution:

Autosampler Location: 70
 Date Collected: 4/28/2006 10:57:24 AM
 Data Type: Reprocessed on 4/28/2006 2:31:51 PM
 Initial Sample Vol: 0.0833 mL
 Sample Prep Vol: 100 mL

Mean Data: H3KFP

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
In Axial	392122.2	102.05 %	1.499			1.47%
In Radial	20993.2	105.26 %	0.102			0.10%
Y_ Axial	1641727.6	101.93 %	1.419			1.39%
Y_ Radial	147307.2	102.66 %	1.139			1.11%
Sc Axial	3062998.0	102.33 %	1.473			1.44%
Sc Radial	286926.9	103.05 %	1.298			1.26%
Al_1 396.153 Rt	913.3	0.09242 mg/L	0.015937	110.95 mg/L	19.132	17.24%
Al_2 308.215 Rt	254.0	0.09425 mg/L	0.002399	113.15 mg/L	2.880	2.55%
Ca 315.887 Rt	5912.1	0.34651 mg/L	0.006665	415.97 mg/L	8.001	1.92%
Fe_1 273.955†	6344.1	0.13046 mg/L	0.001073	156.61 mg/L	1.289	0.82%
Fe_2 238.863 Rt	128.1	0.11961 mg/L	0.003049	143.59 mg/L	3.660	2.55%
Mg 279.077 Rt	197.0	0.08834 mg/L	0.002537	106.05 mg/L	3.045	2.87%
Na_1 589.592 Rt	5446.5	0.52048 mg/L	0.008256	624.82 mg/L	9.911	1.59%
Na_2 330.237 Rt	-69.9	-1.0493 mg/L	0.95127	-1259.7 mg/L	1141.98	90.66%
Zn 206.200†	91.1	0.00318 mg/L	0.000008	3.8179 mg/L	0.00980	0.26%

Sequence No.: 48
 Sample ID: H3KFQ
 Analyst: AWW
 Initial Sample Wt:
 Dilution:

Autosampler Location: 71
 Date Collected: 4/28/2006 11:00:58 AM
 Data Type: Reprocessed on 4/28/2006 2:31:52 PM
 Initial Sample Vol: 0.0833 mL
 Sample Prep Vol: 100 mL

Mean Data: H3KFQ

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	395029.1	102.81 %	0.532			0.52%
In Radial	21025.6	105.42 %	0.055			0.05%
Y Axial	1647631.0	102.30 %	0.600			0.59%
Y Radial	145490.7	101.39 %	0.692			0.68%
Sc Axial	3078692.7	102.85 %	0.587			0.57%
Sc Radial	283447.4	101.80 %	1.022			1.00%
Al_1 396.153 Rt	3042.0	0.30785 mg/L	0.006202	369.56 mg/L	7.446	2.01%
Al_2 308.215 Rt	787.8	0.29236 mg/L	0.002295	350.97 mg/L	2.756	0.79%
Ca 315.887 Rt	10415.1	0.61042 mg/L	0.000884	732.80 mg/L	1.061	0.14%
Fe_1 273.955†	18374.8	0.37785 mg/L	0.007588	453.60 mg/L	9.109	2.01%
Fe_2 238.863 Rt	395.8	0.36952 mg/L	0.027994	443.60 mg/L	33.606	7.58%
Mg 279.077 Rt	513.4	0.23023 mg/L	0.006544	276.38 mg/L	7.856	2.84%
Na_1 589.592 Rt	6893.4	0.65875 mg/L	0.010677	790.81 mg/L	12.817	1.62%
Na_2 330.237 Rt	46.8	0.69540 mg/L	0.641411	834.81 mg/L	770.001	92.24%
Zn 206.200†	159.5	0.00557 mg/L	0.000132	6.6837 mg/L	0.15881	2.38%

Sequence No.: 49
 Sample ID: H3KFR
 Analyst: AWW
 Initial Sample Wt:
 Dilution:

Autosampler Location: 72
 Date Collected: 4/28/2006 11:04:32 AM
 Data Type: Reprocessed on 4/28/2006 2:31:52 PM
 Initial Sample Vol: 0.0833 mL
 Sample Prep Vol: 100 mL

Mean Data: H3KFR

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	396726.0	103.25 %	0.890			0.86%
In Radial	20481.1	102.69 %	0.696			0.68%
Y_Axial	1655982.9	102.82 %	0.775			0.75%
Y_Radial	142990.7	99.651 %	0.5543			0.56%
Sc Axial	3091357.8	103.27 %	0.776			0.75%
Sc Radial	277930.5	99.821 %	0.4773			0.48%
Al_1 396.153 Rt	1841.7	0.18638 mg/L	0.005860	223.74 mg/L	7.035	3.14%
Al_2 308.215 Rt	505.6	0.18763 mg/L	0.002795	225.24 mg/L	3.356	1.49%
Ca 315.887 Rt	7911.4	0.46368 mg/L	0.002092	556.64 mg/L	2.512	0.45%
Fe_1 273.955t	10394.5	0.21375 mg/L	0.002170	256.60 mg/L	2.605	1.02%
Fe_2 238.863 Rt	224.8	0.20986 mg/L	0.002025	251.94 mg/L	2.431	0.96%
Mg 279.077 Rt	354.5	0.15896 mg/L	0.003553	190.83 mg/L	4.265	2.24%
Na_1 589.592 Rt	6545.6	0.62552 mg/L	0.007781	750.92 mg/L	9.341	1.24%
Na_2 330.237 Rt	-29.2	-0.44020 mg/L	1.736674	-528.45 mg/L	2084.843	394.52%
Zn 206.200t	115.1	0.00402 mg/L	0.000015	4.8249 mg/L	0.01746	0.36%

Sequence No.: 50
 Sample ID: H3KFT
 Analyst: AWW
 Initial Sample Wt:
 Dilution:

Autosampler Location: 73
 Date Collected: 4/28/2006 11:08:07 AM
 Data Type: Reprocessed on 4/28/2006 2:31:53 PM
 Initial Sample Vol: 0.0833 mL
 Sample Prep Vol: 100 mL

Mean Data: H3KFT

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	399745.1	104.04 %	0.442			0.42%
In Radial	21121.9	105.90 %	0.440			0.42%
Y_Axial	1665964.1	103.43 %	0.437			0.42%
Y_Radial	148582.8	103.55 %	0.934			0.90%
Sc Axial	3116378.4	104.11 %	0.538			0.52%
Sc Radial	289409.9	103.94 %	0.866			0.83%
Al_1 396.153 Rt	2750.4	0.27834 mg/L	0.005796	334.14 mg/L	6.957	2.08%
Al_2 308.215 Rt	706.5	0.26219 mg/L	0.007340	314.75 mg/L	8.811	2.80%
Ca 315.887 Rt	11559.7	0.67751 mg/L	0.000683	813.34 mg/L	0.820	0.10%
Fe_1 273.955t	17920.7	0.36851 mg/L	0.002413	442.39 mg/L	2.896	0.65%
Fe_2 238.863 Rt	386.8	0.36112 mg/L	0.008133	433.52 mg/L	9.764	2.25%
Mg 279.077 Rt	661.9	0.29683 mg/L	0.004868	356.34 mg/L	5.844	1.64%
Na_1 589.592 Rt	7096.0	0.67812 mg/L	0.025304	814.07 mg/L	30.377	3.73%
Na_2 330.237 Rt	-36.4	-0.55187 mg/L	0.226113	-662.51 mg/L	271.444	40.97%
Zn 206.200t	238.2	0.00832 mg/L	0.000302	9.9865 mg/L	0.36268	3.63%

Sequence No.: 51
 Sample ID: H3Kfv
 Analyst: AWW
 Initial Sample Wt:
 Dilution:

Autosampler Location: 74
 Date Collected: 4/28/2006 11:11:42 AM
 Data Type: Reprocessed on 4/28/2006 2:31:54 PM
 Initial Sample Vol: 0.0833 mL
 Sample Prep Vol: 100 mL

Mean Data: H3Kfv

Analyte	Mean Corrected	Calib	Sample	RSD
	Intensity	Conc. Units	Conc. Units	
In Axial	394501.3	102.67 %	1.117	1.09%
In Radial	21091.9	105.75 %	0.978	0.92%
Y Axial	1656529.0	102.85 %	1.074	1.04%
Y Radial	145919.5	101.69 %	3.117	3.07%
Sc Axial	3090100.0	103.23 %	1.044	1.01%
Sc Radial	283332.9	101.76 %	3.099	3.05%
Al_1 396.153 Rt	3619.8	0.36632 mg/L	439.76 mg/L	14.349 3.26%
Al_2 308.215 Rt	951.8	0.35321 mg/L	424.02 mg/L	0.085 0.02%
Ca 315.887 Rt	13904.0	0.81491 mg/L	978.28 mg/L	3.332 0.34%
Fe_1 273.955t	21959.8	0.45157 mg/L	542.10 mg/L	5.357 0.99%
Fe_2 238.863 Rt	480.0	0.44819 mg/L	538.04 mg/L	8.964 1.67%
Mg 279.077 Rt	620.8	0.27836 mg/L	334.16 mg/L	9.844 2.95%
Na_1 589.592 Rt	6177.4	0.59032 mg/L	708.67 mg/L	0.797 0.11%
Na_2 330.237 Rt	30.4	0.44603 mg/L	535.45 mg/L	307.341 57.40%
Zn 206.200t	370.3	0.01293 mg/L	15.520 mg/L	0.0949 0.61%

Sequence No.: 52
 Sample ID: CCV
 Analyst: AWW
 Initial Sample Wt:
 Dilution:

Autosampler Location: 7
 Date Collected: 4/28/2006 11:15:17 AM
 Data Type: Reprocessed on 4/28/2006 2:31:54 PM
 Initial Sample Vol: 1 mL
 Sample Prep Vol: 1 mL

Mean Data: CCV

Analyte	Mean Corrected	Calib	Sample	RSD
	Intensity	Conc. Units	Conc. Units	
In Axial	356879.2	92.882 %	0.2032	0.22%
In Radial	19593.5	98.238 %	0.1636	0.17%
Y_Axial	1519433.9	94.337 %	0.1119	0.12%
Y_Radial	137969.9	96.152 %	0.0550	0.06%
Sc Axial	2906702.3	97.104 %	1.2272	1.26%
Sc Radial	271157.2	97.389 %	0.0625	0.06%
Al_1 396.153 Rt	241807.8	24.471 mg/L	0.0520	0.0520 0.21%
Al_2 308.215 Rt	63125.5	23.426 mg/L	0.0764	0.0764 0.33%
Ca 315.887 Rt	423714.9	24.834 mg/L	0.0390	0.0390 0.16%
Fe_1 273.955t	1233095.7	25.357 mg/L	0.0639	0.0639 0.25%
Fe_2 238.863 Rt	26390.3	24.640 mg/L	0.0709	0.0709 0.29%
Mg 279.077 Rt	56328.3	25.259 mg/L	0.0693	0.0693 0.27%
Na_1 589.592 Rt	253090.4	24.186 mg/L	0.0401	0.0401 0.17%
Na_2 330.237 Rt	1713.4	24.183 mg/L	2.2437	2.2437 9.28%
Zn 206.200t	72517.9	2.5321 mg/L	0.00223	0.00223 0.09%

Sequence No.: 53
 Sample ID: CCB
 Analyst: AWW
 Initial Sample Wt:
 Dilution:

Autosampler Location: 5
 Date Collected: 4/28/2006 11:17:41 AM
 Data Type: Reprocessed on 4/28/2006 2:31:55 PM
 Initial Sample Vol: 1 mL
 Sample Prep Vol: 1 mL

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
In Axial	383166.2	99.723 %	0.8590			0.86%
In Radial	20448.3	102.52 %	0.077			0.08%
Y_Axial	1617726.7	100.44 %	0.810			0.81%
Y_Radial	142071.9	99.011 %	1.7284			1.75%
Sc Axial	3001243.8	100.26 %	0.846			0.84%
Sc Radial	275380.3	98.905 %	1.8687			1.89%
Al_1 396.153 Rt	-7.0	-0.00071 mg/L	0.002145	-0.00071 mg/L	0.002145	301.93%
Al_2 308.215 Rt	0.5	0.00017 mg/L	0.002842	0.00017 mg/L	0.002842	>999.9%
Ca 315.887 Rt	-58.4	-0.00342 mg/L	0.006041	-0.00342 mg/L	0.006041	176.55%
Fe_1 273.955†	60.1	0.00124 mg/L	0.000228	0.00124 mg/L	0.000228	18.40%
Fe_2 238.863 Rt	6.6	0.00617 mg/L	0.000707	0.00617 mg/L	0.000707	11.46%
Mg 279.077 Rt	1.1	0.00050 mg/L	0.004847	0.00050 mg/L	0.004847	969.02%
Na_1 589.592 Rt	36.0	0.00344 mg/L	0.003739	0.00344 mg/L	0.003739	108.62%
Na_2 330.237 Rt	-81.2	-1.2161 mg/L	0.19201	-1.2161 mg/L	0.19201	15.79%
Zn 206.200†	12.3	0.00043 mg/L	0.000034	0.00043 mg/L	0.000034	7.99%

Sequence No.: 54
 Sample ID: H3KFW
 Analyst: AWW
 Initial Sample Wt:
 Dilution:

Autosampler Location: 75
 Date Collected: 4/28/2006 11:21:18 AM
 Data Type: Reprocessed on 4/28/2006 2:31:55 PM
 Initial Sample Vol: 0.0833 mL
 Sample Prep Vol: 100 mL

Mean Data: H3KFW

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	391823.6	101.98 %	1.812			1.78%
In Radial	21034.5	105.46 %	1.194			1.13%
Y_Axial	1641942.2	101.94 %	1.558			1.53%
Y_Radial	146255.7	101.93 %	0.757			0.74%
Sc Axial	3063469.0	102.34 %	1.703			1.66%
Sc Radial	284758.6	102.27 %	0.916			0.90%
Al_1 396.153 Rt	2438.2	0.24674 mg/L	0.013552	296.21 mg/L	16.269	5.49%
Al_2 308.215 Rt	621.2	0.23051 mg/L	0.003002	276.72 mg/L	3.603	1.30%
Ca 315.887 Rt	10429.2	0.61125 mg/L	0.001836	733.79 mg/L	2.204	0.30%
Fe_1 273.955†	17885.9	0.36780 mg/L	0.005513	441.54 mg/L	6.618	1.50%
Fe_2 238.863 Rt	381.7	0.35633 mg/L	0.000316	427.77 mg/L	0.379	0.09%
Mg 279.077 Rt	449.3	0.20149 mg/L	0.003520	241.89 mg/L	4.226	1.75%
Na_1 589.592 Rt	6349.9	0.60681 mg/L	0.003870	728.46 mg/L	4.646	0.64%
Na_2 330.237 Rt	-78.4	-1.1777 mg/L	0.51798	-1413.8 mg/L	621.82	43.98%
Zn 206.200†	170.7	0.00596 mg/L	0.000213	7.1565 mg/L	0.25528	3.57%

Sequence No.: 55
 Sample ID: H3KFX
 Analyst: AWW
 Initial Sample Wt:
 Dilution:

Autosampler Location: 76
 Date Collected: 4/28/2006 11:24:52 AM
 Data Type: Reprocessed on 4/28/2006 2:31:56 PM
 Initial Sample Vol: 0.0833 mL
 Sample Prep Vol: 100 mL

Mean Data: H3KFX

Analyte	Mean Corrected Intensity	Calib Conc. Units	Std.Dev.	Sample Conc. Units	Std.Dev.	RSD
In Axial	391058.0	101.78 %	0.005			0.00%
In Radial	20894.8	104.76 %	0.101			0.10%
Y Axial	1636979.2	101.64 %	0.355			0.35%
Y Radial	145131.8	101.14 %	0.409			0.40%
Sc Axial	3056045.8	102.09 %	0.336			0.33%
Sc Radial	282669.8	101.52 %	0.341			0.34%
Al_1 396.153 Rt	2591.0	0.26221 mg/L	0.008220	314.77 mg/L	9.868	3.13%
Al_2 308.215 Rt	654.7	0.24295 mg/L	0.006280	291.65 mg/L	7.539	2.58%
Ca 315.887 Rt	10096.1	0.59173 mg/L	0.000508	710.36 mg/L	0.610	0.09%
Fe_1 273.955†	16344.3	0.33610 mg/L	0.002513	403.48 mg/L	3.017	0.75%
Fe_2 238.863 Rt	361.3	0.33732 mg/L	0.007350	404.94 mg/L	8.823	2.18%
Mg 279.077 Rt	441.5	0.19797 mg/L	0.009148	237.66 mg/L	10.982	4.62%
Na_1 589.592 Rt	6360.5	0.60782 mg/L	0.006109	729.68 mg/L	7.334	1.01%
Na_2 330.237 Rt	94.7	1.4119 mg/L	0.46312	1694.9 mg/L	555.97	32.80%
Zn 206.200†	204.0	0.00712 mg/L	0.000039	8.5500 mg/L	0.04646	0.54%

Sequence No.: 56
 Sample ID: H3KF0
 Analyst: AWW
 Initial Sample Wt:
 Dilution:

Autosampler Location: 77
 Date Collected: 4/28/2006 11:28:27 AM
 Data Type: Reprocessed on 4/28/2006 2:31:57 PM
 Initial Sample Vol: 0.0833 mL
 Sample Prep Vol: 100 mL

Mean Data: H3KF0

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	396285.0	103.14 %	0.275			0.27%
In Radial	21006.7	105.32 %	1.115			1.06%
Y Axial	1659249.2	103.02 %	0.075			0.07%
Y Radial	148079.9	103.20 %	2.350			2.28%
Sc Axial	3097186.1	103.47 %	0.070			0.07%
Sc Radial	287865.5	103.39 %	2.469			2.39%
Al_1 396.153 Rt	49.7	0.00503 mg/L	0.001926	6.0430 mg/L	2.31255	38.27%
Al_2 308.215 Rt	28.0	0.01038 mg/L	0.000319	12.464 mg/L	0.3831	3.07%
Ca 315.887 Rt	3548.9	0.20800 mg/L	0.001079	249.70 mg/L	1.296	0.52%
Fe_1 273.955†	468.2	0.00963 mg/L	0.000446	11.559 mg/L	0.5359	4.64%
Fe_2 238.863 Rt	17.5	0.01638 mg/L	0.010091	19.662 mg/L	12.1139	61.61%
Mg 279.077 Rt	66.2	0.02969 mg/L	0.000559	35.642 mg/L	0.6710	1.88%
Na_1 589.592 Rt	4588.2	0.43846 mg/L	0.002047	526.36 mg/L	2.457	0.47%
Na_2 330.237 Rt	-75.8	-1.1359 mg/L	1.18137	-1363.6 mg/L	1418.21	104.01%
Zn 206.200†	52.2	0.00182 mg/L	0.000153	2.1879 mg/L	0.18353	8.39%

Sequence No.: 57
 Sample ID: CCV
 Analyst: AWW
 Initial Sample Wt:
 Dilution:

Autosampler Location: 7
 Date Collected: 4/28/2006 11:32:05 AM
 Data Type: Reprocessed on 4/28/2006 2:31:57 PM
 Initial Sample Vol: 1 mL
 Sample Prep Vol: 1 mL

Mean Data: CCV

Analyte	Mean Corrected	Calib	Sample			RSD
	Intensity	Conc. Units	Std.Dev.	Conc. Units	Std.Dev.	
In Axial	357871.9	93.140 %	2.9966			3.22%
In Radial	19879.0	99.669 %	1.2404			1.24%
Y Axial	1517649.5	94.226 %	2.6907			2.86%
Y- Radial	138568.9	96.569 %	1.2097			1.25%
Sc Axial	2904059.3	97.016 %	0.4079			0.42%
Sc Radial	272848.0	97.996 %	1.1255			1.15%
Al_1 396.153 Rt	242162.7	24.507 mg/L	0.6907	24.507 mg/L	0.6907	2.82%
Al_2 308.215 Rt	64303.5	23.863 mg/L	0.1549	23.863 mg/L	0.1549	0.65%
Ca 315.887 Rt	430927.9	25.257 mg/L	0.0745	25.257 mg/L	0.0745	0.29%
Fe_1 273.955†	1244615.2	25.594 mg/L	0.1176	25.594 mg/L	0.1176	0.46%
Fe_2 238.863 Rt	26819.7	25.041 mg/L	0.0687	25.041 mg/L	0.0687	0.27%
Mg 279.077 Rt	57236.2	25.666 mg/L	0.1617	25.666 mg/L	0.1617	0.63%
Na_1 589.592 Rt	251718.4	24.055 mg/L	0.6880	24.055 mg/L	0.6880	2.86%
Na_2 330.237 Rt	1818.1	25.739 mg/L	0.2814	25.739 mg/L	0.2814	1.09%
Zn 206.200†	73081.6	2.5518 mg/L	0.02305	2.5518 mg/L	0.02305	0.90%

Sequence No.: 58
 Sample ID: CCB
 Analyst: AWW
 Initial Sample Wt:
 Dilution:

Autosampler Location: 5
 Date Collected: 4/28/2006 11:34:28 AM
 Data Type: Reprocessed on 4/28/2006 2:31:58 PM
 Initial Sample Vol: 1 mL
 Sample Prep Vol: 1 mL

Mean Data: CCB

Analyte	Mean Corrected		Calib	Std.Dev.	Sample		RSD
	Intensity	Conc.			Conc.	Units	
In Axial	383753.3	99.876	%	0.9642			0.97%
In Radial	20433.7	102.45	%	0.115			0.11%
Y Axial	1621697.0	100.69	%	0.786			0.78%
Y Radial	144791.5	100.91	%	1.696			1.68%
Sc Axial	3007845.0	100.48	%	0.717			0.71%
Sc Radial	280638.1	100.79	%	1.869			1.85%
Al_1 396.153 Rt	-49.9	-0.00505	mg/L	0.005271	-0.00505	mg/L	0.005271 104.31%
Al_2 308.215 Rt	-12.8	-0.00475	mg/L	0.000894	-0.00475	mg/L	0.000894 18.81%
Ca 315.887 Rt	-0.2	-0.00001	mg/L	0.001223	-0.00001	mg/L	0.001223 >999.9%
Fe_1 273.955†	97.7	0.00201	mg/L	0.000496	0.00201	mg/L	0.000496 24.66%
Fe_2 238.863 Rt	8.9	0.00831	mg/L	0.000266	0.00831	mg/L	0.000266 3.20%
Mg 279.077 Rt	2.7	0.00120	mg/L	0.002413	0.00120	mg/L	0.002413 201.70%
Na_1 589.592 Rt	115.0	0.01099	mg/L	0.018494	0.01099	mg/L	0.018494 168.35%
Na_2 330.237 Rt	-62.2	-0.93103	mg/L	0.684576	-0.93103	mg/L	0.684576 73.53%
Zn 206.200†	11.1	0.00039	mg/L	0.000026	0.00039	mg/L	0.000026 6.75%

ICPMS

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STL Sacramento
ICP-MS Data Review Checklist
Level I and Level II

Instrument ID (Circle one): M01 M02		Method 6020 SOP SAC-MT-0001		
File Number 060426B1	Batch Numbers 6116313, 6116334, 6116358, 6116363, 6116360	Date 4/26/06	Analyst BRJ	
Lot Numbers G6D170132, G6D150171, G6D210149, G6D190170, G6D260199, G6D260189, G6D260176			YES	NO
1. Copy of analysis protocol used included?			<input checked="" type="checkbox"/>	
2. ICVs & CCVs within 10% of true value or recal and rerun?			<input checked="" type="checkbox"/>	
3. ICB & CCBs < reporting limit or recal and rerun?			<input checked="" type="checkbox"/>	
4. 10 samples or less analyzed between calibration checks?			<input checked="" type="checkbox"/>	
5. All parameters within linear range?			<input checked="" type="checkbox"/>	
6. LCS/LCSD within limits?			<input checked="" type="checkbox"/>	
7. Prep blank value < reporting limit or all samples >20x blank?			<input checked="" type="checkbox"/>	
8. Internal standard intensities for samples (unless followed by dilution) are > 30% and <130% of the Calibration Blank intensities?			<input checked="" type="checkbox"/>	
9. Appropriate dilution factors applied to data?			<input checked="" type="checkbox"/>	
10. Matrix spike and spike dup within customer defined limits?				<input checked="" type="checkbox"/>
11. Each batch checked for presence of internal standard in samples?			<input checked="" type="checkbox"/>	
12. Anomalies entered using Clouseau?				<input checked="" type="checkbox"/>

COMMENTS:

REVIEWED BY: MTZ	DATA ENTERED BY: BRJ
DATE: 4/27/06	DATE: 4/27/06

Dataset Report

Perkin Elmer ICPMS M01

SOP No. SAC-MT-0001

Method 6020

User Name: JonesB

Computer Name: SACP317A

Dataset File Path: C:\elandata\Dataset\060426B1\

Report Date/Time: Thursday, April 27, 2006 09:22:08

The Dataset

Batch ID	Sample ID	Date and Time	Read Type	Description
6116313	H3D0P n.i.	16:12:37 Wed 26-Apr-06	Sample	G6D150171-4 N.I.
6116313	H3RG3 n.i.	16:15:23 Wed 26-Apr-06	Sample	G6D210149-3 N.I.
6116313	H3EVF n.i.	16:18:10 Wed 26-Apr-06	Sample	G6D170132-1 N.I.
6116334	H3KFF n.i.	16:20:57 Wed 26-Apr-06	Sample	G6D190170-1 N.I.
6116358	H34FK n.i.	16:23:45 Wed 26-Apr-06	Sample	G6D260199-1 N.I.
6116363	H34CQ n.i.	16:26:33 Wed 26-Apr-06	Sample	G6D260189-1 N.I.
6116360	H337F n.i.	16:29:21 Wed 26-Apr-06	Sample	G6D260176-1 N.I.
	Rinse 3X	16:37:43 Wed 26-Apr-06	Sample	
	Blank	16:42:19 Wed 26-Apr-06	Blank	
	Standard 1	16:46:50 Wed 26-Apr-06	Standard #1	
	ICV	16:51:05 Wed 26-Apr-06	Sample	
	ICB	16:55:25 Wed 26-Apr-06	Sample	
	ICSA	16:59:45 Wed 26-Apr-06	Sample	
	ICSAB	17:04:03 Wed 26-Apr-06	Sample	
	Rinse	17:11:40 Wed 26-Apr-06	Sample	
6116313	FB-F1685532	17:16:02 Wed 26-Apr-06	Sample	G6D260000-313 FB
6116334	FB-F1685532	17:20:22 Wed 26-Apr-06	Sample	G6D260000-334 FB
	CCV 1	17:24:43 Wed 26-Apr-06	Sample	
	CCB 1	17:29:04 Wed 26-Apr-06	Sample	
	CCV 2	17:33:24 Wed 26-Apr-06	Sample	
	CCB 2	17:37:45 Wed 26-Apr-06	Sample	
6116313	H3396B	17:42:06 Wed 26-Apr-06	Sample	G6D260000-313 BLK
6116313	H3396C	17:46:29 Wed 26-Apr-06	Sample	G6D260000-313 LCS
6116313	H3396L	17:50:45 Wed 26-Apr-06	Sample	G6D260000-313 LCSD
6116313	H3EVF	17:55:01 Wed 26-Apr-06	Sample	G6D170132-1
6116313	H3EVFP5	17:59:18 Wed 26-Apr-06	Sample	G6D170132-1 5X
6116313	H3EVFZ	18:03:35 Wed 26-Apr-06	Sample	G6D170132-1 PS
6116313	H3D0P	18:07:52 Wed 26-Apr-06	Sample	G6D150171-4
6116313	H3D0V	18:12:10 Wed 26-Apr-06	Sample	G6D150171-5
6116313	H3D0W	18:16:28 Wed 26-Apr-06	Sample	G6D150171-6
6116313	H3RG3	18:20:47 Wed 26-Apr-06	Sample	G6D210149-3
	CCV 3	18:25:06 Wed 26-Apr-06	Sample	
	CCB 3	18:29:27 Wed 26-Apr-06	Sample	
	CCV 4	18:33:48 Wed 26-Apr-06	Sample	
	CCB 4	18:38:09 Wed 26-Apr-06	Sample	
6116313	H3EVH	18:42:29 Wed 26-Apr-06	Sample	G6D170132-2
6116313	H3EVK	18:46:48 Wed 26-Apr-06	Sample	G6D170132-3
6116313	H3EVL	18:51:09 Wed 26-Apr-06	Sample	G6D170132-4
6116313	H3EVM	18:55:29 Wed 26-Apr-06	Sample	G6D170132-5
6116313	H3EVN	18:59:50 Wed 26-Apr-06	Sample	G6D170132-6
6116313	H3EVQ	19:04:11 Wed 26-Apr-06	Sample	G6D170132-7
6116313	H3EVT	19:08:32 Wed 26-Apr-06	Sample	G6D170132-8
6116313	H3EV2	19:12:54 Wed 26-Apr-06	Sample	G6D170132-9
6116313	H3EV3	19:17:17 Wed 26-Apr-06	Sample	G6D170132-10
6116313	H3EV6	19:21:39 Wed 26-Apr-06	Sample	G6D170132-11
	CCV 5	19:26:01 Wed 26-Apr-06	Sample	
	CCB 5	19:30:22 Wed 26-Apr-06	Sample	
	CCV 6	19:34:42 Wed 26-Apr-06	Sample	
	CCB 6	19:39:03 Wed 26-Apr-06	Sample	

6116334	H34E1C	19:43:22 Wed 26-Apr-06	Sample	G6D260000-334 LCS
6116334	H34E1L	19:47:38 Wed 26-Apr-06	Sample	G6D260000-334 LCSD
	Rinse	19:51:58 Wed 26-Apr-06	Sample	
6116334	H34E1B	19:56:20 Wed 26-Apr-06	Sample	G6D260000-334 BLK
6116334	H3KFF	20:00:39 Wed 26-Apr-06	Sample	G6D190170-1
6116334	H3KFP5	20:04:56 Wed 26-Apr-06	Sample	G6D190170-1 5X
6116334	H3KFFZ	20:09:13 Wed 26-Apr-06	Sample	G6D190170-1 PS
	CCV 7	20:13:31 Wed 26-Apr-06	Sample	
	CCB 7	20:17:55 Wed 26-Apr-06	Sample	
	CCV 8	20:22:16 Wed 26-Apr-06	Sample	
	CCB 8	20:26:37 Wed 26-Apr-06	Sample	
6116313	H3EV7	20:30:59 Wed 26-Apr-06	Sample	G6D170132-12
6116313	H3EV8	20:35:22 Wed 26-Apr-06	Sample	G6D170132-13
6116334	H3KFG	20:39:43 Wed 26-Apr-06	Sample	G6D190170-2
6116334	H3KFH	20:44:00 Wed 26-Apr-06	Sample	G6D190170-3
6116334	H3KFJ	20:48:19 Wed 26-Apr-06	Sample	G6D190170-4
6116334	H3KFL	20:52:37 Wed 26-Apr-06	Sample	G6D190170-5
6116334	H3KFM	20:56:56 Wed 26-Apr-06	Sample	G6D190170-6
	CCV 9	21:01:16 Wed 26-Apr-06	Sample	
	CCB 9	21:05:36 Wed 26-Apr-06	Sample	
	CCV 10	21:09:57 Wed 26-Apr-06	Sample	
	CCB 10	21:14:18 Wed 26-Apr-06	Sample	
6116334	H3KFP	21:18:38 Wed 26-Apr-06	Sample	G6D190170-7
6116334	H3KFQ	21:22:58 Wed 26-Apr-06	Sample	G6D190170-8
6116334	H3KFR	21:27:18 Wed 26-Apr-06	Sample	G6D190170-9
6116334	H3KFT	21:31:39 Wed 26-Apr-06	Sample	G6D190170-10
6116334	H3KFW	21:36:00 Wed 26-Apr-06	Sample	G6D190170-11
6116334	H3KFW	21:40:21 Wed 26-Apr-06	Sample	G6D190170-12
6116334	H3KFX	21:44:42 Wed 26-Apr-06	Sample	G6D190170-13
6116334	H3KF0	21:49:05 Wed 26-Apr-06	Sample	G6D190170-14
	CCV 11	21:53:26 Wed 26-Apr-06	Sample	
	CCB 11	21:57:47 Wed 26-Apr-06	Sample	
<i>HOST LIST</i>	- CCV 12	22:02:09 Wed 26-Apr-06	Sample	
	CCB 12	22:05:49 Wed 26-Apr-06	Sample	
	CCV 13	22:09:28 Wed 26-Apr-06	Sample	
	CCB 13	22:13:07 Wed 26-Apr-06	Sample	
6116358	H34JVC	22:16:44 Wed 26-Apr-06	Sample	G6D260000-358 LCS
6116358	H34JVL	22:20:17 Wed 26-Apr-06	Sample	G6D260000-358 LCSD
	Rinse	22:23:53 Wed 26-Apr-06	Sample	
6116358	H34JVB	22:27:31 Wed 26-Apr-06	Sample	G6D260000-358 BLK
6116358	H34FK	22:31:09 Wed 26-Apr-06	Sample	G6D260199-1
6116358	H34FKP5	22:34:48 Wed 26-Apr-06	Sample	G6D260199-1 5X
6116358	H34FKZ	22:38:23 Wed 26-Apr-06	Sample	G6D260199-1 PS
6116358	H34FQ	22:41:55 Wed 26-Apr-06	Sample	G6D260199-2
6116358	H34FR	22:45:27 Wed 26-Apr-06	Sample	G6D260199-3
6116358	H34FV	22:49:00 Wed 26-Apr-06	Sample	G6D260199-4
	CCV 14	22:52:35 Wed 26-Apr-06	Sample	
	CCB 14	22:56:15 Wed 26-Apr-06	Sample	
	CCV 15	22:59:54 Wed 26-Apr-06	Sample	
	CCB 15	23:03:34 Wed 26-Apr-06	Sample	
6116363	H34KMC	23:07:11 Wed 26-Apr-06	Sample	G6D260000-363 LCS
6116363	H34KML	23:10:45 Wed 26-Apr-06	Sample	G6D260000-363 LCSD
	Rinse	23:14:21 Wed 26-Apr-06	Sample	
6116363	H34KMB	23:17:59 Wed 26-Apr-06	Sample	G6D260000-363 BLK
6116363	H34CQ	23:21:35 Wed 26-Apr-06	Sample	G6D260189-1
6116363	H34CQP5	23:25:08 Wed 26-Apr-06	Sample	G6D260189-1 5X
6116363	H34CQX	23:28:42 Wed 26-Apr-06	Sample	G6D260189-1 DU
6116363	H34CQZ	23:32:16 Wed 26-Apr-06	Sample	G6D260189-1 PS
6116363	H34CW	23:35:50 Wed 26-Apr-06	Sample	G6D260189-2
6116363	H34CX	23:39:25 Wed 26-Apr-06	Sample	G6D260189-3

	CCV 16	23:43:02 Wed 26-Apr-06	Sample	
	CCB 16	23:46:42 Wed 26-Apr-06	Sample	
	CCV 17	23:50:22 Wed 26-Apr-06	Sample	
	CCB 17	23:54:01 Wed 26-Apr-06	Sample	
6116363	H34C0	23:57:39 Wed 26-Apr-06	Sample	G6D260189-4
6116363	H34C2	00:01:14 Thu 27-Apr-06	Sample	G6D260189-5
6116363	H34C3	00:04:50 Thu 27-Apr-06	Sample	G6D260189-6
6116363	H34C4	00:08:27 Thu 27-Apr-06	Sample	G6D260189-7
6116363	H34C5	00:12:04 Thu 27-Apr-06	Sample	G6D260189-8
6116363	H34C6	00:15:41 Thu 27-Apr-06	Sample	G6D260189-9
6116363	H34C7	00:19:19 Thu 27-Apr-06	Sample	G6D260189-10
6116363	H34C8	00:22:57 Thu 27-Apr-06	Sample	G6D260189-11
6116363	H34C9	00:26:35 Thu 27-Apr-06	Sample	G6D260189-12
6116363	H34DA	00:30:10 Thu 27-Apr-06	Sample	G6D260189-13
	CCV 18	00:33:45 Thu 27-Apr-06	Sample	
	CCB 18	00:37:25 Thu 27-Apr-06	Sample	
	CCV 19	00:41:04 Thu 27-Apr-06	Sample	
	CCB 19	00:44:44 Thu 27-Apr-06	Sample	
6116360	H34J3B	00:48:23 Thu 27-Apr-06	Sample	G6D260000-360 BLK
6116360	H34J3C	00:52:00 Thu 27-Apr-06	Sample	G6D260000-360 LCS
6116360	H34J3L	00:55:34 Thu 27-Apr-06	Sample	G6D260000-360 LCSD
6116360	H337F	00:59:08 Thu 27-Apr-06	Sample	G6D260176-1
6116360	H337FP5	01:02:40 Thu 27-Apr-06	Sample	G6D260176-1 5X
6116360	H337FX	01:06:13 Thu 27-Apr-06	Sample	G6D260176-1 DU
6116360	H337FZ	01:09:46 Thu 27-Apr-06	Sample	G6D260176-1 PS
6116360	H337Q	01:13:20 Thu 27-Apr-06	Sample	G6D260176-2
6116360	H337R	01:16:53 Thu 27-Apr-06	Sample	G6D260176-3
6116360	H337V	01:20:28 Thu 27-Apr-06	Sample	G6D260176-4
	CCV 20	01:24:04 Thu 27-Apr-06	Sample	
	CCB 20	01:27:44 Thu 27-Apr-06	Sample	
	CCV 21	01:31:23 Thu 27-Apr-06	Sample	
	CCB 21	01:35:03 Thu 27-Apr-06	Sample	
6116360	H337W	01:38:40 Thu 27-Apr-06	Sample	G6D260176-5
6116360	H337X	01:42:15 Thu 27-Apr-06	Sample	G6D260176-6
6116360	H337I	01:45:51 Thu 27-Apr-06	Sample	G6D260176-7
6116360	H338A	01:49:26 Thu 27-Apr-06	Sample	G6D260176-8
6116360	H338D	01:53:03 Thu 27-Apr-06	Sample	G6D260176-9
6116360	H338E	01:56:39 Thu 27-Apr-06	Sample	G6D260176-10
6116360	H338F	02:00:16 Thu 27-Apr-06	Sample	G6D260176-11
6116360	H338G	02:03:54 Thu 27-Apr-06	Sample	G6D260176-12
6116360	H338H	02:07:32 Thu 27-Apr-06	Sample	G6D260176-13
6116360	H338J	02:11:06 Thu 27-Apr-06	Sample	G6D260176-14
	CCV 22	02:14:41 Thu 27-Apr-06	Sample	
	CCB 22	02:18:21 Thu 27-Apr-06	Sample	

STL Sacramento

RUN SUMMARY

Method: 6020 (SOP: SAC-MT-001)

Instrument: M01

Reported: 04/27/06 11:19:30

File ID: 060426B1

Analyst: ioneshb

#	Sample ID	Lot No.	Batch	DF	Analyzed Date	Comment	Q
1	H3D0P n.i.	G6D150171-4	6116313	2A	1.0	04/26/06 16:12	<input type="checkbox"/>
2	H3RG3 n.i.	G6D210149-3	6116313	2A	1.0	04/26/06 16:15	<input type="checkbox"/>
3	H3EVF n.i.	G6D170132-1	6116313	2A	1.0	04/26/06 16:18	<input type="checkbox"/>
4	H3KFF n.i.	G6D190170-1	6116334	2A	1.0	04/26/06 16:20	<input type="checkbox"/>
5	H34FK n.i.	G6D260199-1	6116358	2A	1.0	04/26/06 16:23	<input type="checkbox"/>
6	H34CQ n.i.	G6D260189-1	6116363	2A	1.0	04/26/06 16:26	<input type="checkbox"/>
7	H337F n.i.	G6D260176-1	6116360	2A	1.0	04/26/06 16:29	<input type="checkbox"/>
8	Rinse 3X				3.0	04/26/06 16:37	<input type="checkbox"/>
9	Blank				1.0	04/26/06 16:42	<input type="checkbox"/>
10	Standard 1				1.0	04/26/06 16:46	<input type="checkbox"/>
11	ICV				1.0	04/26/06 16:51	<input type="checkbox"/>
12	ICB				1.0	04/26/06 16:55	<input type="checkbox"/>
13	ICSA				1.0	04/26/06 16:59	<input type="checkbox"/>
14	ICSAB				1.0	04/26/06 17:04	<input type="checkbox"/>
15	Rinse				1.0	04/26/06 17:11	<input type="checkbox"/>
16	FB-F1685532				1.0	04/26/06 17:16	<input type="checkbox"/>
17	FB-F1685532				1.0	04/26/06 17:20	<input type="checkbox"/>
18	CCV 1				1.0	04/26/06 17:24	<input type="checkbox"/>
19	CCB 1				1.0	04/26/06 17:29	<input type="checkbox"/>
20	CCV 2				1.0	04/26/06 17:33	<input type="checkbox"/>
21	CCB 2				1.0	04/26/06 17:37	<input type="checkbox"/>
22	H3396B	G6D260000	6116313	2A	1.0	04/26/06 17:42	<input type="checkbox"/>
23	H3396C	G6D260000	6116313	2A	1.0	04/26/06 17:46	<input type="checkbox"/>
24	H3396L	G6D260000	6116313	2A	1.0	04/26/06 17:50	<input type="checkbox"/>
25	H3EVF	G6D170132-1	6116313	2A	1.0	04/26/06 17:55	<input type="checkbox"/>
26	H3EVFP5	G6D170132	6116313		5.0	04/26/06 17:59	<input type="checkbox"/>
27	H3EVFZ	G6D170132-1	6116313		1.0	04/26/06 18:03	<input type="checkbox"/>
28	H3D0P	G6D150171-4	6116313	2A	1.0	04/26/06 18:07	<input type="checkbox"/>
29	H3D0V	G6D150171-5	6116313	2A	1.0	04/26/06 18:12	<input type="checkbox"/>
30	H3D0W	G6D150171-6	6116313	2A	1.0	04/26/06 18:16	<input type="checkbox"/>
31	H3RG3	G6D210149-3	6116313	2A	1.0	04/26/06 18:20	<input type="checkbox"/>
32	CCV 3				1.0	04/26/06 18:25	<input type="checkbox"/>
33	CCB 3				1.0	04/26/06 18:29	<input type="checkbox"/>
34	CCV 4				1.0	04/26/06 18:33	<input type="checkbox"/>
35	CCB 4				1.0	04/26/06 18:38	<input type="checkbox"/>
36	H3EVH	G6D170132-2	6116313	2A	1.0	04/26/06 18:42	<input type="checkbox"/>
37	H3EVK	G6D170132-3	6116313	2A	1.0	04/26/06 18:46	<input type="checkbox"/>
38	H3EVL	G6D170132-4	6116313	2A	1.0	04/26/06 18:51	<input type="checkbox"/>
39	H3EVM	G6D170132-5	6116313	2A	1.0	04/26/06 18:55	<input type="checkbox"/>
40	H3EVN	G6D170132-6	6116313	2A	1.0	04/26/06 18:59	<input type="checkbox"/>
41	H3EVQ	G6D170132-7	6116313	2A	1.0	04/26/06 19:04	<input type="checkbox"/>
42	H3EVT	G6D170132-8	6116313	2A	1.0	04/26/06 19:08	<input type="checkbox"/>
43	H3EV2	G6D170132-9	6116313	2A	1.0	04/26/06 19:12	<input type="checkbox"/>
44	H3EV3	G6D170132-10	6116313	2A	1.0	04/26/06 19:17	<input type="checkbox"/>
45	H3EV6	G6D170132-11	6116313	2A	1.0	04/26/06 19:21	<input type="checkbox"/>
46	CCV 5				1.0	04/26/06 19:26	<input type="checkbox"/>

STL Sacramento

RUN SUMMARY

Method: 6020 (SOP: SAC-MT-001)

Instrument: M01

Reported: 04/27/06 11:19:30

File ID: 060426B1

Analyst: ionesb

#	Sample ID	Lot No.	Batch	DF	Analyzed Date	Comment	Q
47	CCB 5			1.0	04/26/06 19:30		<input type="checkbox"/>
48	CCV 6			1.0	04/26/06 19:34		<input type="checkbox"/>
49	CCB 6			1.0	04/26/06 19:39		<input type="checkbox"/>
50	H34E1C	G6D260000	6116334	2A	1.0 04/26/06 19:43		<input type="checkbox"/>
51	H34E1L	G6D260000	6116334	2A	1.0 04/26/06 19:47		<input type="checkbox"/>
52	Rinse				1.0 04/26/06 19:51		<input type="checkbox"/>
53	H34E1B	G6D260000	6116334	2A	1.0 04/26/06 19:56		<input type="checkbox"/>
54	H3KFF	G6D190170-1	6116334	2A	1.0 04/26/06 20:00		<input type="checkbox"/>
55	H3KFFP5	G6D190170	6116334		5.0 04/26/06 20:04		<input type="checkbox"/>
56	H3KFFZ	G6D190170-1	6116334		1.0 04/26/06 20:09		<input type="checkbox"/>
57	CCV 7				1.0 04/26/06 20:13		<input type="checkbox"/>
58	CCB 7				1.0 04/26/06 20:17		<input type="checkbox"/>
59	CCV 8				1.0 04/26/06 20:22		<input type="checkbox"/>
60	CCB 8				1.0 04/26/06 20:26		<input type="checkbox"/>
61	H3EV7	G6D170132-12	6116313	2A	1.0 04/26/06 20:30		<input type="checkbox"/>
62	H3EV8	G6D170132-13	6116313	2A	1.0 04/26/06 20:35		<input type="checkbox"/>
63	H3KFG	G6D190170-2	6116334	2A	1.0 04/26/06 20:39		<input type="checkbox"/>
64	H3KFH	G6D190170-3	6116334	2A	1.0 04/26/06 20:44		<input type="checkbox"/>
65	H3KFJ	G6D190170-4	6116334	2A	1.0 04/26/06 20:48		<input type="checkbox"/>
66	H3KFL	G6D190170-5	6116334	2A	1.0 04/26/06 20:52		<input type="checkbox"/>
67	H3KFM	G6D190170-6	6116334	2A	1.0 04/26/06 20:56		<input type="checkbox"/>
68	CCV 9				1.0 04/26/06 21:01		<input type="checkbox"/>
69	CCB 9				1.0 04/26/06 21:05		<input type="checkbox"/>
70	CCV 10				1.0 04/26/06 21:09		<input type="checkbox"/>
71	CCB 10				1.0 04/26/06 21:14		<input type="checkbox"/>
72	H3KFP	G6D190170-7	6116334	2A	1.0 04/26/06 21:18		<input type="checkbox"/>
73	H3KFQ	G6D190170-8	6116334	2A	1.0 04/26/06 21:22		<input type="checkbox"/>
74	H3KFR	G6D190170-9	6116334	2A	1.0 04/26/06 21:27		<input type="checkbox"/>
75	H3KFT	G6D190170-10	6116334	2A	1.0 04/26/06 21:31		<input type="checkbox"/>
76	H3KFW	G6D190170-11	6116334	2A	1.0 04/26/06 21:36		<input type="checkbox"/>
77	H3KFW	G6D190170-12	6116334	2A	1.0 04/26/06 21:40		<input type="checkbox"/>
78	H3KFX	G6D190170-13	6116334	2A	1.0 04/26/06 21:44		<input type="checkbox"/>
79	H3KF0	G6D190170-14	6116334	2A	1.0 04/26/06 21:49		<input type="checkbox"/>
80	CCV 11				1.0 04/26/06 21:53		<input type="checkbox"/>
81	CCB 11				1.0 04/26/06 21:57		<input type="checkbox"/>
82	CCV 12				1.0 04/26/06 22:02		<input type="checkbox"/>
83	CCB 12				1.0 04/26/06 22:05		<input type="checkbox"/>
84	CCV 13				1.0 04/26/06 22:09		<input type="checkbox"/>
85	CCB 13				1.0 04/26/06 22:13		<input type="checkbox"/>
86	H34JVC	G6D260000	6116358	2A	1.0 04/26/06 22:16		<input type="checkbox"/>
87	H34JVL	G6D260000	6116358	2A	1.0 04/26/06 22:20		<input type="checkbox"/>
88	Rinse				1.0 04/26/06 22:23		<input type="checkbox"/>
89	H34JVB	G6D260000	6116358	2A	1.0 04/26/06 22:27		<input type="checkbox"/>
90	H34FK	G6D260199-1	6116358	2A	1.0 04/26/06 22:31		<input type="checkbox"/>
91	H34FKP5	G6D260199	6116358		5.0 04/26/06 22:34		<input type="checkbox"/>
92	H34FKZ	G6D260199-1	6116358		1.0 04/26/06 22:38		<input type="checkbox"/>

STL Sacramento

RUN SUMMARY

Method: 6020 (SOP: SAC-MT-001)

Instrument: M01

Reported: 04/27/06 11:19:30

File ID: 060426B1

Analyst: ionesb

#	Sample ID	Lot No.	Batch	DF	Analyzed Date	Comment	Q
93	H34FQ	G6D260199-2	6116358	2A	1.0 04/26/06 22:41		<input type="checkbox"/>
94	H34FR	G6D260199-3	6116358	2A	1.0 04/26/06 22:45		<input type="checkbox"/>
95	H34FV	G6D260199-4	6116358	2A	1.0 04/26/06 22:49		<input type="checkbox"/>
96	CCV 14				1.0 04/26/06 22:52		<input type="checkbox"/>
97	CCB 14				1.0 04/26/06 22:56		<input type="checkbox"/>
98	CCV 15				1.0 04/26/06 22:59		<input type="checkbox"/>
99	CCB 15				1.0 04/26/06 23:03		<input type="checkbox"/>
100	H34KMC	G6D260000	6116363	2A	1.0 04/26/06 23:07		<input type="checkbox"/>
101	H34KML	G6D260000	6116363	2A	1.0 04/26/06 23:10		<input type="checkbox"/>
102	Rinse				1.0 04/26/06 23:14		<input type="checkbox"/>
103	H34KMB	G6D260000	6116363	2A	1.0 04/26/06 23:17		<input type="checkbox"/>
104	H34CQ	G6D260189-1	6116363	2A	1.0 04/26/06 23:21		<input type="checkbox"/>
105	H34CQP5	G6D260189	6116363		5.0 04/26/06 23:25		<input type="checkbox"/>
106	H34CQX	G6D260189-1	6116363	2A	1.0 04/26/06 23:28		<input type="checkbox"/>
107	H34CQZ	G6D260189-1	6116363		1.0 04/26/06 23:32		<input type="checkbox"/>
108	H34CW	G6D260189-2	6116363	2A	1.0 04/26/06 23:35		<input type="checkbox"/>
109	H34CX	G6D260189-3	6116363	2A	1.0 04/26/06 23:39		<input type="checkbox"/>
110	CCV 16				1.0 04/26/06 23:43		<input type="checkbox"/>
111	CCB 16				1.0 04/26/06 23:46		<input type="checkbox"/>
112	CCV 17				1.0 04/26/06 23:50		<input type="checkbox"/>
113	CCB 17				1.0 04/26/06 23:54		<input type="checkbox"/>
114	H34C0	G6D260189-4	6116363	2A	1.0 04/26/06 23:57		<input type="checkbox"/>
115	H34C2	G6D260189-5	6116363	2A	1.0 04/27/06 00:01		<input type="checkbox"/>
116	H34C3	G6D260189-6	6116363	2A	1.0 04/27/06 00:04		<input type="checkbox"/>
117	H34C4	G6D260189-7	6116363	2A	1.0 04/27/06 00:08		<input type="checkbox"/>
118	H34C5	G6D260189-8	6116363	2A	1.0 04/27/06 00:12		<input type="checkbox"/>
119	H34C6	G6D260189-9	6116363	2A	1.0 04/27/06 00:15		<input type="checkbox"/>
120	H34C7	G6D260189-10	6116363	2A	1.0 04/27/06 00:19		<input type="checkbox"/>
121	H34C8	G6D260189-11	6116363	2A	1.0 04/27/06 00:22		<input type="checkbox"/>
122	H34C9	G6D260189-12	6116363	2A	1.0 04/27/06 00:26		<input type="checkbox"/>
123	H34DA	G6D260189-13	6116363	2A	1.0 04/27/06 00:30		<input type="checkbox"/>
124	CCV 18				1.0 04/27/06 00:33		<input type="checkbox"/>
125	CCB 18				1.0 04/27/06 00:37		<input type="checkbox"/>
126	CCV 19				1.0 04/27/06 00:41		<input type="checkbox"/>
127	CCB 19				1.0 04/27/06 00:44		<input type="checkbox"/>
128	H34J3B	G6D260000	6116360	2A	1.0 04/27/06 00:48		<input type="checkbox"/>
129	H34J3C	G6D260000	6116360	2A	1.0 04/27/06 00:52		<input type="checkbox"/>
130	H34J3L	G6D260000	6116360	2A	1.0 04/27/06 00:55		<input type="checkbox"/>
131	H337F	G6D260176-1	6116360	2A	1.0 04/27/06 00:59		<input type="checkbox"/>
132	H337FP5	G6D260176	6116360		5.0 04/27/06 01:02		<input type="checkbox"/>
133	H337FX	G6D260176-1	6116360	2A	1.0 04/27/06 01:06		<input type="checkbox"/>
134	H337FZ	G6D260176-1	6116360		1.0 04/27/06 01:09		<input type="checkbox"/>
135	H337Q	G6D260176-2	6116360	2A	1.0 04/27/06 01:13		<input type="checkbox"/>
136	H337R	G6D260176-3	6116360	2A	1.0 04/27/06 01:16		<input type="checkbox"/>
137	H337V	G6D260176-4	6116360	2A	1.0 04/27/06 01:20		<input type="checkbox"/>
138	CCV 20				1.0 04/27/06 01:24		<input type="checkbox"/>

STL Sacramento

RUN SUMMARY

Method: 6020 (SOP: SAC-MT-001)

Instrument: M01

Reported: 04/27/06 11:19:30

File ID: 060426B1

Analyst: jonesb

#	Sample ID	Lot No.	Batch	DF	Analyzed Date	Comment	Q
139	CCB 20			1.0	04/27/06 01:27		<input type="checkbox"/>
140	CCV 21			1.0	04/27/06 01:31		<input type="checkbox"/>
141	CCB 21			1.0	04/27/06 01:35		<input type="checkbox"/>
142	H337W	G6D260176-5	6116360	2A	1.0	04/27/06 01:38	<input type="checkbox"/>
143	H337X	G6D260176-6	6116360	2A	1.0	04/27/06 01:42	<input type="checkbox"/>
144	H337I	G6D260176-7	6116360	2A	1.0	04/27/06 01:45	<input type="checkbox"/>
145	H338A	G6D260176-8	6116360	2A	1.0	04/27/06 01:49	<input type="checkbox"/>
146	H338D	G6D260176-9	6116360	2A	1.0	04/27/06 01:53	<input type="checkbox"/>
147	H338E	G6D260176-10	6116360	2A	1.0	04/27/06 01:56	<input type="checkbox"/>
148	H338F	G6D260176-11	6116360	2A	1.0	04/27/06 02:00	<input type="checkbox"/>
149	H338G	G6D260176-12	6116360	2A	1.0	04/27/06 02:03	<input type="checkbox"/>
150	H338H	G6D260176-13	6116360	2A	1.0	04/27/06 02:07	<input type="checkbox"/>
151	H338J	G6D260176-14	6116360	2A	1.0	04/27/06 02:11	<input type="checkbox"/>
152	CCV 22				1.0	04/27/06 02:14	<input type="checkbox"/>
153	CCB 22				1.0	04/27/06 02:18	<input type="checkbox"/>

STL Sacramento

INTERNAL STANDARD SUMMARY

Method: 6020 (SOP: SAC-MT-001)

M01 (M01)

Reported: 04/27/06 11:19:30

File ID: 060426B1

Analyst: ionesb

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
1	H3D0P n.i.	04/26/06 16:12	0.1	0.0	0.1	0.0	<input type="checkbox"/>
2	H3RG3 n.i.	04/26/06 16:15	0.2	0.0	0.1	0.0	<input type="checkbox"/>
3	H3EVF n.i.	04/26/06 16:18	0.0	0.0	0.0	0.0	<input type="checkbox"/>
4	H3KFF n.i.	04/26/06 16:20	0.0	0.0	0.0	0.0	<input type="checkbox"/>
5	H34FK n.i.	04/26/06 16:23	0.1	0.0	0.0	0.0	<input type="checkbox"/>
6	H34CQ n.i.	04/26/06 16:26	0.1	0.0	0.0	0.0	<input type="checkbox"/>
7	H337F n.i.	04/26/06 16:29	0.1	0.4	0.0	0.0	<input type="checkbox"/>
8	Rinse 3X	04/26/06 16:37	96.5	99.5	99.4	98.2	<input type="checkbox"/>
9	Blank	04/26/06 16:42	100.0	100.0	100.0	100.0	<input checked="" type="checkbox"/>
10	Standard 1	04/26/06 16:46	93.7	96.3	99.9	96.2	<input checked="" type="checkbox"/>
11	ICV	04/26/06 16:51	91.0	94.6	99.9	92.6	<input checked="" type="checkbox"/>
12	ICB	04/26/06 16:55	91.2	95.6	101.3	92.4	<input checked="" type="checkbox"/>
13	ICSA	04/26/06 16:59	75.5	80.1	80.9	85.5	<input checked="" type="checkbox"/>
14	ICSAB	04/26/06 17:04	77.2	85.1	79.0	87.1	<input checked="" type="checkbox"/>
15	Rinse	04/26/06 17:11	93.0	101.8	101.3	101.2	<input checked="" type="checkbox"/>
16	FB-F1685532	04/26/06 17:16	98.7	102.0	96.3	100.8	<input checked="" type="checkbox"/>
17	FB-F1685532	04/26/06 17:20	96.2	99.7	99.0	100.1	<input checked="" type="checkbox"/>
18	CCV 1	04/26/06 17:24	88.9	94.4	100.4	94.1	<input checked="" type="checkbox"/>
19	CCB 1	04/26/06 17:29	90.9	96.1	99.7	93.7	<input checked="" type="checkbox"/>
20	CCV 2	04/26/06 17:33	90.3	94.8	99.5	95.0	<input checked="" type="checkbox"/>
21	CCB 2	04/26/06 17:37	91.7	96.5	99.3	94.4	<input checked="" type="checkbox"/>
22	H3396B	04/26/06 17:42	97.4	99.6	95.0	99.4	<input checked="" type="checkbox"/>
23	H3396C	04/26/06 17:46	90.9	96.7	97.5	95.4	<input checked="" type="checkbox"/>
24	H3396L	04/26/06 17:50	88.8	96.0	99.7	94.6	<input checked="" type="checkbox"/>
25	H3EVF	04/26/06 17:55	93.3	95.8	97.5	95.6	<input checked="" type="checkbox"/>
26	H3EVFP5	04/26/06 17:59	89.7	95.7	104.0	94.2	<input type="checkbox"/>
27	H3EVFZ	04/26/06 18:03	91.1	95.3	97.1	94.4	<input checked="" type="checkbox"/>
28	H3D0P	04/26/06 18:07	92.5	97.5	100.5	97.2	<input checked="" type="checkbox"/>
29	H3D0V	04/26/06 18:12	95.9	98.2	97.0	97.2	<input checked="" type="checkbox"/>
30	H3D0W	04/26/06 18:16	97.4	98.2	96.9	99.5	<input checked="" type="checkbox"/>
31	H3RG3	04/26/06 18:20	97.1	99.0	95.3	99.8	<input checked="" type="checkbox"/>
32	CCV 3	04/26/06 18:25	90.6	94.0	98.4	94.9	<input checked="" type="checkbox"/>
33	CCB 3	04/26/06 18:29	92.7	95.9	102.4	96.0	<input checked="" type="checkbox"/>
34	CCV 4	04/26/06 18:33	91.5	93.4	99.4	95.4	<input checked="" type="checkbox"/>
35	CCB 4	04/26/06 18:38	92.7	96.2	100.7	96.7	<input checked="" type="checkbox"/>
36	H3EVH	04/26/06 18:42	101.4	99.8	96.2	100.6	<input checked="" type="checkbox"/>
37	H3EVK	04/26/06 18:46	100.0	101.0	96.8	101.2	<input checked="" type="checkbox"/>
38	H3EVL	04/26/06 18:51	101.1	101.0	98.6	102.6	<input checked="" type="checkbox"/>
39	H3EVM	04/26/06 18:55	100.1	100.4	96.8	100.7	<input checked="" type="checkbox"/>
40	H3EVN	04/26/06 18:59	101.8	101.9	97.6	103.7	<input checked="" type="checkbox"/>
41	H3EVQ	04/26/06 19:04	102.1	102.4	96.4	103.3	<input checked="" type="checkbox"/>
42	H3EVT	04/26/06 19:08	100.7	102.7	98.3	104.1	<input checked="" type="checkbox"/>
43	H3EV2	04/26/06 19:12	102.5	102.3	97.3	103.3	<input checked="" type="checkbox"/>
44	H3EV3	04/26/06 19:17	102.8	102.9	98.5	104.5	<input checked="" type="checkbox"/>
45	H3EV6	04/26/06 19:21	103.0	102.8	96.7	104.7	<input checked="" type="checkbox"/>
46	CCV 5	04/26/06 19:26	92.8	95.1	99.2	96.5	<input checked="" type="checkbox"/>

Method: 6020 (SOP: SAC-MT-001)

M01 (M01)

Reported: 04/27/06 11:19:30

File ID: 060426B1

Analyst: jonesb

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
47	CCB 5	04/26/06 19:30	92.8	96.1	101.4	96.5	<input checked="" type="checkbox"/>
48	CCV 6	04/26/06 19:34	91.5	94.1	98.6	95.1	<input checked="" type="checkbox"/>
49	CCB 6	04/26/06 19:39	92.5	95.9	99.6	95.2	<input checked="" type="checkbox"/>
50	H34E1C	04/26/06 19:43	93.6	97.8	100.1	98.9	<input checked="" type="checkbox"/>
51	H34E1L	04/26/06 19:47	91.3	96.4	100.1	97.1	<input checked="" type="checkbox"/>
52	Rinse	04/26/06 19:51	89.6	95.9	105.3	94.7	<input checked="" type="checkbox"/>
53	H34E1B	04/26/06 19:56	95.0	99.1	100.8	99.4	<input checked="" type="checkbox"/>
54	H3KFF	04/26/06 20:00	96.3	99.5	102.2	100.7	<input checked="" type="checkbox"/>
55	H3KFFP5	04/26/06 20:04	92.2	97.7	105.0	97.4	<input type="checkbox"/>
56	H3KFFZ	04/26/06 20:09	92.4	97.7	100.5	98.1	<input checked="" type="checkbox"/>
57	CCV 7	04/26/06 20:13	88.5	93.7	102.6	93.7	<input checked="" type="checkbox"/>
58	CCB 7	04/26/06 20:17	89.7	94.1	102.6	93.3	<input checked="" type="checkbox"/>
59	CCV 8	04/26/06 20:22	90.6	93.1	102.4	94.6	<input checked="" type="checkbox"/>
60	CCB 8	04/26/06 20:26	91.8	95.1	102.4	95.1	<input checked="" type="checkbox"/>
61	H3EV7	04/26/06 20:30	99.8	99.5	98.8	99.4	<input checked="" type="checkbox"/>
62	H3EV8	04/26/06 20:35	97.3	99.4	98.4	99.2	<input checked="" type="checkbox"/>
63	H3KFG	04/26/06 20:39	99.5	101.5	101.3	101.9	<input checked="" type="checkbox"/>
64	H3KFH	04/26/06 20:44	102.0	102.1	99.9	102.7	<input checked="" type="checkbox"/>
65	H3KFJ	04/26/06 20:48	103.8	104.4	101.1	104.7	<input checked="" type="checkbox"/>
66	H3KFL	04/26/06 20:52	103.6	104.0	100.5	104.6	<input checked="" type="checkbox"/>
67	H3KFM	04/26/06 20:56	106.3	105.9	100.0	105.2	<input checked="" type="checkbox"/>
68	CCV 9	04/26/06 21:01	98.1	98.2	103.0	100.1	<input checked="" type="checkbox"/>
69	CCB 9	04/26/06 21:05	98.2	99.5	102.4	99.4	<input checked="" type="checkbox"/>
70	CCV 10	04/26/06 21:09	95.9	97.0	100.7	97.8	<input checked="" type="checkbox"/>
71	CCB 10	04/26/06 21:14	98.3	98.7	103.1	99.3	<input checked="" type="checkbox"/>
72	H3KFP	04/26/06 21:18	101.9	102.3	100.8	104.0	<input checked="" type="checkbox"/>
73	H3KFQ	04/26/06 21:22	105.4	103.4	99.0	103.0	<input checked="" type="checkbox"/>
74	H3KFR	04/26/06 21:27	108.5	104.5	97.8	104.7	<input checked="" type="checkbox"/>
75	H3KFT	04/26/06 21:31	107.5	103.9	97.7	104.8	<input checked="" type="checkbox"/>
76	H3KFW	04/26/06 21:36	108.7	105.1	98.7	105.0	<input checked="" type="checkbox"/>
77	H3KFW	04/26/06 21:40	108.6	105.0	97.8	105.0	<input checked="" type="checkbox"/>
78	H3KFX	04/26/06 21:44	108.0	105.6	99.6	107.1	<input checked="" type="checkbox"/>
79	H3KF0	04/26/06 21:49	107.4	106.1	99.8	106.7	<input checked="" type="checkbox"/>
80	CCV 11	04/26/06 21:53	99.8	100.1	103.7	101.6	<input checked="" type="checkbox"/>
81	CCB 11	04/26/06 21:57	99.6	99.3	103.6	100.3	<input checked="" type="checkbox"/>
82	CCV 12	04/26/06 22:02	96.9	97.0	102.8	98.4	<input checked="" type="checkbox"/>
83	CCB 12	04/26/06 22:05	98.6	100.7	105.4	99.9	<input checked="" type="checkbox"/>
84	CCV 13	04/26/06 22:09	97.5	97.6	103.5	99.4	<input checked="" type="checkbox"/>
85	CCB 13	04/26/06 22:13	99.1	99.4	105.1	99.4	<input checked="" type="checkbox"/>
86	H34JVC	04/26/06 22:16	98.3	102.9	102.1	103.1	<input checked="" type="checkbox"/>
87	H34JVL	04/26/06 22:20	97.0	103.5	104.5	103.6	<input checked="" type="checkbox"/>
88	Rinse	04/26/06 22:23	96.8	100.0	106.0	100.2	<input checked="" type="checkbox"/>
89	H34JVB	04/26/06 22:27	98.8	105.7	104.7	105.3	<input checked="" type="checkbox"/>
90	H34FK	04/26/06 22:31	100.2	105.9	106.5	106.0	<input checked="" type="checkbox"/>
91	H34FKP5	04/26/06 22:34	100.0	102.7	107.0	102.4	<input type="checkbox"/>
92	H34FKZ	04/26/06 22:38	99.8	105.2	105.5	106.5	<input checked="" type="checkbox"/>

Method: 6020 (SOP: SAC-MT-001)

M01 (M01)

Reported: 04/27/06 11:19:30

File ID: 060426B1

Analyst: ionesb

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
93	H34FQ	04/26/06 22:41	100.2	106.6	104.3	107.4	<input checked="" type="checkbox"/>
94	H34FR	04/26/06 22:45	101.6	107.1	106.0	108.3	<input checked="" type="checkbox"/>
95	H34FV	04/26/06 22:49	101.5	107.4	106.7	109.0	<input checked="" type="checkbox"/>
96	CCV 14	04/26/06 22:52	98.2	100.6	106.7	101.2	<input checked="" type="checkbox"/>
97	CCB 14	04/26/06 22:56	101.0	104.3	108.2	103.5	<input checked="" type="checkbox"/>
98	CCV 15	04/26/06 22:59	99.5	100.5	106.9	102.3	<input checked="" type="checkbox"/>
99	CCB 15	04/26/06 23:03	101.3	103.5	107.1	103.5	<input checked="" type="checkbox"/>
100	H34KMC	04/26/06 23:07	99.7	106.3	105.0	106.2	<input checked="" type="checkbox"/>
101	H34KML	04/26/06 23:10	99.3	107.2	106.9	107.4	<input checked="" type="checkbox"/>
102	Rinse	04/26/06 23:14	99.1	103.6	109.2	103.6	<input checked="" type="checkbox"/>
103	H34KMB	04/26/06 23:17	100.9	107.3	106.2	107.6	<input checked="" type="checkbox"/>
104	H34CQ	04/26/06 23:21	103.1	106.9	104.4	108.1	<input checked="" type="checkbox"/>
105	H34CQP5	04/26/06 23:25	103.0	106.5	107.6	106.2	<input type="checkbox"/>
106	H34CQX	04/26/06 23:28	104.4	107.8	104.3	108.7	<input checked="" type="checkbox"/>
107	H34CQZ	04/26/06 23:32	102.1	107.5	104.7	107.9	<input checked="" type="checkbox"/>
108	H34CW	04/26/06 23:35	101.7	108.3	105.6	107.8	<input checked="" type="checkbox"/>
109	H34CX	04/26/06 23:39	103.3	109.2	106.4	109.6	<input checked="" type="checkbox"/>
110	CCV 16	04/26/06 23:43	101.3	104.2	107.1	104.7	<input checked="" type="checkbox"/>
111	CCB 16	04/26/06 23:46	102.1	104.9	108.5	104.3	<input checked="" type="checkbox"/>
112	CCV 17	04/26/06 23:50	101.7	102.6	107.0	103.3	<input checked="" type="checkbox"/>
113	CCB 17	04/26/06 23:54	103.2	106.0	109.0	104.0	<input checked="" type="checkbox"/>
114	H34C0	04/26/06 23:57	104.6	109.1	104.4	109.6	<input checked="" type="checkbox"/>
115	H34C2	04/27/06 00:01	105.6	109.6	104.0	109.4	<input checked="" type="checkbox"/>
116	H34C3	04/27/06 00:04	105.9	108.4	102.6	109.3	<input checked="" type="checkbox"/>
117	H34C4	04/27/06 00:08	107.4	110.2	103.8	110.0	<input checked="" type="checkbox"/>
118	H34C5	04/27/06 00:12	107.5	109.9	105.1	109.9	<input checked="" type="checkbox"/>
119	H34C6	04/27/06 00:15	107.1	109.8	104.7	109.6	<input checked="" type="checkbox"/>
120	H34C7	04/27/06 00:19	106.8	110.0	103.6	110.7	<input checked="" type="checkbox"/>
121	H34C8	04/27/06 00:22	107.5	109.4	104.3	110.3	<input checked="" type="checkbox"/>
122	H34C9	04/27/06 00:26	106.8	109.1	104.6	111.0	<input checked="" type="checkbox"/>
123	H34DA	04/27/06 00:30	107.8	111.5	104.2	109.8	<input checked="" type="checkbox"/>
124	CCV 18	04/27/06 00:33	102.7	104.5	106.7	105.2	<input checked="" type="checkbox"/>
125	CCB 18	04/27/06 00:37	103.6	105.4	107.9	105.2	<input checked="" type="checkbox"/>
126	CCV 19	04/27/06 00:41	102.8	103.0	105.3	103.6	<input checked="" type="checkbox"/>
127	CCB 19	04/27/06 00:44	104.2	105.8	108.1	104.6	<input checked="" type="checkbox"/>
128	H34J3B	04/27/06 00:48	106.0	109.9	104.5	109.6	<input checked="" type="checkbox"/>
129	H34J3C	04/27/06 00:52	103.4	108.5	105.1	109.0	<input checked="" type="checkbox"/>
130	H34J3L	04/27/06 00:55	100.6	108.3	105.7	108.1	<input checked="" type="checkbox"/>
131	H337F	04/27/06 00:59	102.9	109.2	106.1	108.9	<input checked="" type="checkbox"/>
132	H337FP5	04/27/06 01:02	104.4	107.3	107.8	105.5	<input type="checkbox"/>
133	H337FX	04/27/06 01:06	104.3	109.3	102.5	108.6	<input checked="" type="checkbox"/>
134	H337FZ	04/27/06 01:09	102.3	108.6	103.4	106.9	<input checked="" type="checkbox"/>
135	H337Q	04/27/06 01:13	101.5	107.8	102.2	107.3	<input checked="" type="checkbox"/>
136	H337R	04/27/06 01:16	104.3	109.3	103.0	107.8	<input checked="" type="checkbox"/>
137	H337V	04/27/06 01:20	103.1	108.4	101.6	107.7	<input checked="" type="checkbox"/>
138	CCV 20	04/27/06 01:24	101.2	103.1	106.9	103.8	<input checked="" type="checkbox"/>

STL Sacramento

INTERNAL STANDARD SUMMARY

Method: 6020 (SOP: SAC-MT-001)

M01 (M01)

Reported: 04/27/06 11:19:30

File ID: 060426B1

Analyst: ionesb

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
139	CCB 20	04/27/06 01:27	103.2	105.5	108.3	105.1	<input checked="" type="checkbox"/>
140	CCV 21	04/27/06 01:31	101.0	101.7	104.2	102.3	<input checked="" type="checkbox"/>
141	CCB 21	04/27/06 01:35	103.0	105.0	108.3	104.5	<input checked="" type="checkbox"/>
142	H337W	04/27/06 01:38	104.1	108.0	101.9	107.9	<input checked="" type="checkbox"/>
143	H337X	04/27/06 01:42	105.8	109.8	102.1	108.7	<input checked="" type="checkbox"/>
144	H3371	04/27/06 01:45	105.8	110.9	101.5	107.7	<input checked="" type="checkbox"/>
145	H338A	04/27/06 01:49	107.1	109.3	103.8	109.3	<input checked="" type="checkbox"/>
146	H338D	04/27/06 01:53	108.3	111.8	104.2	110.0	<input checked="" type="checkbox"/>
147	H338E	04/27/06 01:56	106.0	108.3	101.2	107.9	<input checked="" type="checkbox"/>
148	H338F	04/27/06 02:00	107.1	111.1	102.3	109.0	<input checked="" type="checkbox"/>
149	H338G	04/27/06 02:03	107.9	111.9	103.1	108.3	<input checked="" type="checkbox"/>
150	H338H	04/27/06 02:07	105.5	109.9	102.2	108.9	<input checked="" type="checkbox"/>
151	H338J	04/27/06 02:11	108.1	111.0	102.3	108.7	<input checked="" type="checkbox"/>
152	CCV 22	04/27/06 02:14	102.9	103.3	106.4	103.4	<input checked="" type="checkbox"/>
153	CCB 22	04/27/06 02:18	104.7	106.1	109.4	104.9	<input checked="" type="checkbox"/>

STL SACRAMENTO - Elan 6000 ICPMS Perkin Elmer M01 Quantitative Method Report

File Name: 6116313.mth
File Path: C:\elandata\Method\6116313.mth

Timing Parameters

Sweeps/Reading: 50
Readings/Replicate: 1
Number of Replicates: 3
Tuning File: c:\elandata\Tuning\default.tun
Optimization File: c:\elandata\Optimize\default.dac
QC Enabled: Yes
Settling Time: Normal

Analyte	Mass	Scan Mode	MCA Channels	Dwell Time	Integration Time
Sc	44.956	Peak Hopping	1	14.0 ms	700 ms
Li-1	6.015	Peak Hopping	1	14.0 ms	700 ms
Be	9.012	Peak Hopping	1	14.0 ms	700 ms
Al	26.982	Peak Hopping	1	14.0 ms	700 ms
Ca	43.956	Peak Hopping	1	14.0 ms	700 ms
V	50.944	Peak Hopping	1	14.0 ms	700 ms
Cr	51.941	Peak Hopping	1	14.0 ms	700 ms
Mn	54.938	Peak Hopping	1	14.0 ms	700 ms
Fe	53.940	Peak Hopping	1	14.0 ms	700 ms
Fe	56.935	Peak Hopping	1	14.0 ms	700 ms
Co	58.933	Peak Hopping	1	14.0 ms	700 ms
Ni	59.933	Peak Hopping	1	14.0 ms	700 ms
Cu	64.928	Peak Hopping	1	14.0 ms	700 ms
Zn	67.925	Peak Hopping	1	14.0 ms	700 ms
As	74.922	Peak Hopping	1	20.0 ms	1000 ms
Se	81.917	Peak Hopping	1	20.0 ms	1000 ms
Mo	96.906	Peak Hopping	1	14.0 ms	700 ms
Ge-1	71.922	Peak Hopping	1	14.0 ms	700 ms
Ag	106.905	Peak Hopping	1	14.0 ms	700 ms
Cd	110.904	Peak Hopping	1	14.0 ms	700 ms
Sb	120.904	Peak Hopping	1	14.0 ms	700 ms
Ba	134.906	Peak Hopping	1	14.0 ms	700 ms
In-1	114.904	Peak Hopping	1	14.0 ms	700 ms
Tl	204.975	Peak Hopping	1	14.0 ms	700 ms
Pb	207.977	Peak Hopping	1	14.0 ms	700 ms
Tm-1	168.934	Peak Hopping	1	14.0 ms	700 ms
Cr	49.946	Peak Hopping	1	5.0 ms	250 ms
Cr	52.941	Peak Hopping	1	5.0 ms	250 ms
Ni	60.931	Peak Hopping	1	5.0 ms	250 ms
Cu	62.930	Peak Hopping	1	5.0 ms	250 ms
Zn	66.927	Peak Hopping	1	5.0 ms	250 ms
Zn	65.926	Peak Hopping	1	5.0 ms	250 ms
Se	75.919	Peak Hopping	1	5.0 ms	250 ms
Se	76.920	Peak Hopping	1	20.0 ms	1000 ms
Se	77.917	Peak Hopping	1	20.0 ms	1000 ms
Br	78.918	Peak Hopping	1	20.0 ms	1000 ms
Ge	71.922	Peak Hopping	1	14.0 ms	700 ms
Cd	107.904	Peak Hopping	1	5.0 ms	250 ms
Cd	113.904	Peak Hopping	1	14.0 ms	700 ms

Ag	108.905	Peak Hopping	1	5.0 ms	250 ms
In	114.904	Peak Hopping	1	14.0 ms	700 ms
207.977	207.977	Peak Hopping	1	14.0 ms	700 ms
Pb	206.976	Peak Hopping	1	14.0 ms	700 ms
Pb	205.975	Peak Hopping	1	14.0 ms	700 ms
Tm	168.934	Peak Hopping	1	14.0 ms	700 ms
Pd	105.903	Peak Hopping	1	14.0 ms	700 ms

Signal Processing

Detector Mode: Dual
 Measurement Units: Counts
 AutoLens: On
 Spectral Peak Processing: Average
 Signal Profile Processing: Average
 Blank Subtraction: After Internal Standard
 Baseline Readings: 0
 Smoothing: Yes, Factor 5

Equations

Analyte	Mass	Corrections
V	50.944	-3.108 * Cr 53 + 0.3524 * Cr 52
Fe	53.940	- 0.028226 * Cr 52
Fe	56.935	-0.074 * Ca 43
Ni	59.933	-0.005 * Ca 43
Cu	64.928	-0.0078 * Ti 49
As	74.922	-3.1278 * Se 77 + 1.0177 * Se 78
Se	81.917	- 0.0033 * Br 79
Cd	110.904	-1.073 * Pd 108 + 0.712 * Pd 106
In-1	114.904	- 0.014032 * Sn 118
Pb	207.977	+ 1.0 * Pb 207 + 1.0 * Pb 206
Cr	49.946	- 0.739726 * Ti 47 - 0.002506 * V 51
Se	75.919	- 0.268980 * Ge 72
Se	77.917	- 0.030435 * Kr 83
Cd	107.904	- 1.184953 * Pd 105
Cd	113.904	- 0.026826 * Sn 118
In	114.904	- 0.014032 * Sn 118

Calibration Information

Analyte	Mass	Curve Type	Sample Units	Std Units	Std 1	Std 2	Std 3	Std 4
Sc	44.956	Linear Thru Zero	ug/L	ug/L				
Li-1	6.015	Linear Thru Zero	ug/L	ug/L				
Be	9.012	Linear Thru Zero	ug/L	ug/L	100			
Al	26.982	Linear Thru Zero	ug/L	ug/L	5.1e+003			
Ca	43.956	Linear Thru Zero	ug/L	ug/L	5.1e+003			
V	50.944	Linear Thru Zero	ug/L	ug/L	100			
Cr	51.941	Linear Thru Zero	ug/L	ug/L	100			
Mn	54.938	Linear Thru Zero	ug/L	ug/L	100			
Fe	53.940	Linear Thru Zero	ug/L	ug/L	5.1e+003			
Fe	56.935	Linear Thru Zero	ug/L	ug/L	5.1e+003			
Co	58.933	Linear Thru Zero	ug/L	ug/L	100			
Ni	59.933	Linear Thru Zero	ug/L	ug/L	100			
Cu	64.928	Linear Thru Zero	ug/L	ug/L	100			
Zn	67.925	Linear Thru Zero	ug/L	ug/L	100			
As	74.922	Linear Thru Zero	ug/L	ug/L	100			

Se	81.917	Linear Thru Zero	ug/L	ug/L	100
Mo	96.906	Linear Thru Zero	ug/L	ug/L	200
Ge-1	71.922	Linear Thru Zero	ug/L	ug/L	
Ag	106.905	Linear Thru Zero	ug/L	ug/L	50
Cd	110.904	Linear Thru Zero	ug/L	ug/L	100
Sb	120.904	Linear Thru Zero	ug/L	ug/L	50
Ba	134.906	Linear Thru Zero	ug/L	ug/L	100
In-1	114.904	Linear Thru Zero	ug/L	ug/L	
Tl	204.975	Linear Thru Zero	ug/L	ug/L	50
Pb	207.977	Linear Thru Zero	ug/L	ug/L	100
Tm-1	168.934	Linear Thru Zero	ug/L	ug/L	
Cr	49.946	Linear Thru Zero	ug/L	ug/L	100
Cr	52.941	Linear Thru Zero	ug/L	ug/L	100
Ni	60.931	Linear Thru Zero	ug/L	ug/L	100
Cu	62.930	Linear Thru Zero	ug/L	ug/L	100
Zn	66.927	Linear Thru Zero	ug/L	ug/L	100
Zn	65.926	Linear Thru Zero	ug/L	ug/L	100
Se	75.919	Linear Thru Zero	ug/L	ug/L	100
Se	76.920	Linear Thru Zero	ug/L	ug/L	100
Se	77.917	Linear Thru Zero	ug/L	ug/L	100
Br	78.918	Linear Thru Zero	ug/L	ug/L	100
Ge	71.922	Linear Thru Zero	ug/L	ug/L	
Cd	107.904	Linear Thru Zero	ug/L	ug/L	100
Cd	113.904	Linear Thru Zero	ug/L	ug/L	100
Ag	108.905	Linear Thru Zero	ug/L	ug/L	50
In	114.904	Linear Thru Zero	ug/L	ug/L	
207.977	207.977	Linear Thru Zero	ug/L	ug/L	100
Pb	206.976	Linear Thru Zero	ug/L	ug/L	100
Pb	205.975	Linear Thru Zero	ug/L	ug/L	100
Tm	168.934	Linear Thru Zero	ug/L	ug/L	
Pd	105.903	Linear Thru Zero	ug/L	ug/L	100

STL SACRAMENTO - Perkin Elmer Elan 6000 ICPMS, M01 – Methods 6020, 200.8

AIR TOX STANDARDS - 4 % HNO₃, 0.5 % HCl

Standards for run:

Tuning standard: 2532-60D

Internal standard: 2532-62E

Blank, CCBs: 2531-20E

Standard 1, CCVs: 2532-62C

ICV: 2532-47D

ICSA: 2532-57D

ICSAB: 2532-57E

File Number: 060426B1

Instrument Tuning Report - Elan 6000

File Name: default.tun

Sample Information

Sample Date/Time: Wednesday, April 26, 2006 10:59:26

Sample ID: TUNE BJONES

Analyte	Exact Mass	Meas. Mass	Mass DAC	Meas. Pk. Width	Res. DAC	Custom Res.
Li	7.016	7.027	1559	0.719	2034	
Be	9.012	9.079	2074	0.713	2023	
Co	58.933	58.929	14296	0.731	1892	
In	114.904	114.879	27950	0.732	1860	
Ce	139.905	139.928	34030	0.733	1906	
Tl	204.975	204.979	49739	0.743	2126	
Pb	207.977	207.978	50452	0.716	2148	
U	238.050	238.026	57680	0.709	2311	

Elan 6000 Instrument Optimization Report

File Name c:\elandata\Optimize\default.dac

Path c:\elandata\Optimize

Sample Information

Sample Date/Time: Wednesday, April 26, 2006 10:59:26

Sample ID: TUNE BJONES

Parameter Settings

Nebulizer Gas Flow	0.9
Lens Voltage	6.5
ICP RF Power	1100.0
Analog Stage Voltage	-2000.0
Pulse Stage Voltage	1400.0
Discriminator Threshold	70.0
AC Rod Offset	-7.0
Service DAC 1	60.0
Quadrupole Rod Offset	0.0

AutoLens Calibration

Date:	11:03:31 Wed 26-Apr-06
Sample Filename:	AUTOLENS BJONES.002
Dataset Pathname:	060426A1\
Lens Voltage Start:	3.50 V
Lens Voltage End:	8.00 V
Lens Voltage Step:	0.25 V
Slope:	0.0212
Intercept:	5.1257

Analyte	Mass	Optimum Voltage	Maximum Intensity	# Points
Be	9.012	5.3 V	4077 cps	19
Co	58.933	6.5 V	197746 cps	19
In	114.904	7.5 V	324848 cps	19

Dual Detector Calibration

Date:	11:57:53 Wed 12-Apr-06
Sample Filename:	DUAL BJONES.746
Dataset Pathname:	c:\elandata\Dataset\dual detector calibration\
Points Acquired:	37
Lens Voltage Start:	-3.00 V
Lens Voltage End:	15.00 V
Lens Voltage Step:	0.50 V

Analyte	Mass	Gain	N(max)
Li	6.013	6757	1.85e+009 cps
Li	7.015	6254	2.00e+009 cps
Be	9.011	5876	2.13e+009 cps
B	11.010	6161	2.03e+009 cps
Na	22.990	6240	2.01e+009 cps

Report Date/Time: Wednesday, April 26, 2006 15:36:49

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Mg	23.986	5856	2.14e+009	cps
Mg	24.986	5578	2.24e+009	cps
Al	26.982	5501	2.28e+009	cps
P	30.994	5016	2.50e+009	cps
K	38.965	4877	2.57e+009	cps
Ca	42.957			cps
Ca	43.957	4863	2.57e+009	cps
Sc	44.957	4865	2.57e+009	cps
V	50.945	4814	2.60e+009	cps
Cr	51.941	4595	2.72e+009	cps
Fe	53.941	4561	2.74e+009	cps
Mn	54.937	4462	2.81e+009	cps
Fe	56.937	4328	2.89e+009	cps
Co	58.934	4304	2.91e+009	cps
Ni	59.934	4252	2.94e+009	cps
Cu	62.930	4125	3.03e+009	cps
Cu	64.929	4068	3.08e+009	cps
Zn	67.925	4103	3.05e+009	cps
Ge	71.920	4132	3.03e+009	cps
As	74.924			cps
Se	77.915	4218	2.97e+009	cps
Br	78.919			cps
Se	81.919	4095	3.06e+009	cps
Sr	87.906	4122	3.04e+009	cps
Mo	96.904	4147	3.02e+009	cps
Ag	106.907	3669	3.41e+009	cps
Ag	108.907	3788	3.30e+009	cps
Cd	110.902	3756	3.33e+009	cps
Cd	113.906	3826	3.27e+009	cps
In	114.903	3822	3.28e+009	cps
Sn	117.900	3887	3.22e+009	cps
Sb	120.905	3808	3.29e+009	cps
Ba	134.906	3712	3.37e+009	cps
Tm	168.936	3660	3.42e+009	cps
Tl	204.975	3461	3.62e+009	cps
Pb	207.975	3484	3.59e+009	cps
Bi	208.980	3470	3.61e+009	cps
U	238.050	3503	3.57e+009	cps

Daily Performance Report - Elan 6000

Sample ID: DAILY BJONES

Sample Date/Time: Wednesday, April 26, 2006 11:05:58

Sample Description:

Sample File: C:\elandata\Sample\6114255R.sam

Method File: C:\elandata\Method\000-DAILY_EPA.mth

Dataset File: C:\elandata\Dataset\060426A1\DJAILY BJONES.003

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Number of Replicates: 5

Dual Detector Mode: Dual

Summary

Analyte	Mass	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
Mg	24	59250.971	769.675	1.299
Rh	103	253639.386	3953.519	1.559
Pb	208	140378.512	1756.199	1.251
[> Ba	138	233628.081	1246.848	0.534
[< Ba++	69	0.032	0.001	4.425
[> Ce	140	288962.435	6929.880	2.398
[< CeO	156	0.030	0.001	4.780
Bkgd	220	3.143	1.565	49.793
Li	7	11793.563	229.033	1.942
Be	9	3841.447	38.045	0.990
Co	59	161438.632	2831.928	1.754
In	115	313690.642	2255.115	0.719
Tl	205	204765.558	3157.156	1.542

Sample ID: H3D0P n.i.

Sample Description: G6D150171-4 N.I.

Batch ID: 6116313

Sample Date/Time: Wednesday, April 26, 2006 16:12:37

Method File: C:\elandata\Method\000-LISCGEIN....mth

Dataset File: C:\elandata\Dataset\060426B1\H3D0P n.i..001

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 27

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li			797.168	ug/L	0.000
45 Sc			13605.496	ug/L	0.000
69 Ga			12771.760	ug/L	0.000
72 Ge			2655.997	ug/L	0.000
89 Y			19000.621	ug/L	0.000
103 Rh			60.953	ug/L	0.000
115 In			541.923	ug/L	0.000
133 Cs			2989.405	ug/L	0.000
165 Ho			726.688	ug/L	0.000
169 Tm			478.104	ug/L	0.000
209 Bi			6113.400	ug/L	0.000

Internal Standard Recoveries

Analyte Mass	Int Std % Recovery
--------------	--------------------

Li 6	
Sc 45	
Ga 69	
Ge 72	95.986
Y 89	
Rh 103	95.652
In 115	
Cs 133	
Ho 165	95.986
Tm 169	
Bi 209	

Sample ID: H3RG3 n.i.

Sample Description: G6D210149-3 N.I.

Batch ID: 6116313

Sample Date/Time: Wednesday, April 26, 2006 16:15:23

Method File: C:\elandata\Method\000-LISCGEIN....mth

Dataset File: C:\elandata\Dataset\060426B1\H3RG3 n.i..002

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 28

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li			716.211	ug/L	0.000
45 Sc			12475.271	ug/L	0.000
69 Ga			10716.973	ug/L	0.000
72 Ge			5145.345	ug/L	0.000
89 Y			11610.151	ug/L	0.000
103 Rh			127.620	ug/L	0.000
115 In			552.763	ug/L	0.000
133 Cs			24524.512	ug/L	0.000
165 Ho			470.009	ug/L	0.000
169 Tm			370.958	ug/L	0.000
209 Bi			8697.313	ug/L	0.000

Internal Standard Recoveries

Analyte Mass	Int Std % Recovery
--------------	--------------------

Li 6	
Sc 45	
Ga 69	
Ge 72	95.986
Y 89	
Rh 103	95.652
In 115	
Cs 133	
Ho 165	95.986
Tm 169	
Bi 209	

Sample ID: H3EVF n.i.

Sample Description: G6D170132-1 N.I.

Batch ID: 6116313

Sample Date/Time: Wednesday, April 26, 2006 16:18:10

Method File: C:\elandata\Method\000-LISCGEIN....mth

Dataset File: C:\elandata\Dataset\060426B1\H3EVF n.i..003

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 29

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li			489.533	ug/L	0.000
45 Sc			6382.582	ug/L	0.000
69 Ga			1845.375	ug/L	0.000
72 Ge			890.508	ug/L	0.000
89 Y			590.490	ug/L	0.000
103 Rh			21.429	ug/L	0.000
115 In			242.479	ug/L	0.000
133 Cs			346.195	ug/L	0.000
165 Ho			23.810	ug/L	0.000
169 Tm			134.763	ug/L	0.000
209 Bi			576.204	ug/L	0.000

Internal Standard Recoveries

Analyte Mass	Int Std % Recovery
--------------	--------------------

Li 6	
Sc 45	
Ga 69	
Ge 72	95.986
Y 89	
Rh 103	95.652
In 115	
Cs 133	
Ho 165	95.986
Tm 169	
Bi 209	

Sample ID: H3KFF n.i.

Sample Description: G6D190170-1 N.I.

Batch ID: 6116334

Sample Date/Time: Wednesday, April 26, 2006 16:20:57

Method File: C:\elandata\Method\000-LISCGEIN....mth

Dataset File: C:\elandata\Dataset\060426B1\H3KFF n.i..004

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 30

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li			513.344	ug/L	0.000
45 Sc			6947.645	ug/L	0.000
69 Ga			2315.929	ug/L	0.000
72 Ge			1004.326	ug/L	0.000
89 Y			1286.257	ug/L	0.000
103 Rh			41.905	ug/L	0.000
115 In			230.515	ug/L	0.000
133 Cs			868.125	ug/L	0.000
165 Ho			55.714	ug/L	0.000
169 Tm			152.858	ug/L	0.000
209 Bi			743.832	ug/L	0.000

Internal Standard Recoveries

Analyte Mass	Int Std % Recovery
--------------	--------------------

Li 6	
Sc 45	
Ga 69	
Ge 72	95.986
Y 89	
Rh 103	95.652
In 115	
Cs 133	
Ho 165	95.986
Tm 169	
Bi 209	

Sample ID: H34FK n.i.

Sample Description: G6D260199-1 N.I.

Batch ID: 6116358

Sample Date/Time: Wednesday, April 26, 2006 16:23:45

Method File: C:\elandata\Method\000-LISCGEIN....mth

Dataset File: C:\elandata\Dataset\060426B1\H34FK n.i..005

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 31

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li			498.105	ug/L	0.000
45 Sc			5939.984	ug/L	0.000
69 Ga			2893.193	ug/L	0.000
72 Ge			1185.295	ug/L	0.000
89 Y			930.511	ug/L	0.000
103 Rh			33.333	ug/L	0.000
115 In			293.139	ug/L	0.000
133 Cs			106.667	ug/L	0.000
165 Ho			39.524	ug/L	0.000
169 Tm			187.620	ug/L	0.000
209 Bi			1938.722	ug/L	0.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Li	6	
Sc	45	
Ga	69	
Ge	72	95.986
Y	89	
Rh	103	95.652
In	115	
Cs	133	
Ho	165	95.986
Tm	169	
Bi	209	

Sample ID: H34CQ n.i.

Sample Description: G6D260189-1 N.I.

Batch ID: 6116363

Sample Date/Time: Wednesday, April 26, 2006 16:26:33

Method File: C:\elandata\Method\000-LISCGEIN....mth

Dataset File: C:\elandata\Dataset\060426B1\H34CQ n.i..006

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 32

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li			510.487	ug/L	0.000
45 Sc			9125.236	ug/L	0.000
69 Ga			23783.557	ug/L	0.000
72 Ge			2214.959	ug/L	0.000
89 Y			20942.291	ug/L	0.000
103 Rh			325.242	ug/L	0.000
115 In			361.808	ug/L	0.000
133 Cs			1064.331	ug/L	0.000
165 Ho			768.595	ug/L	0.000
169 Tm			373.815	ug/L	0.000
209 Bi			6899.047	ug/L	0.000

Internal Standard Recoveries

Analyte Mass	Int Std % Recovery
--------------	--------------------

Li 6	
Sc 45	
Ga 69	
Ge 72	95.986
Y 89	
Rh 103	95.652
In 115	
Cs 133	
Ho 165	95.986
Tm 169	
Bi 209	

Sample ID: H337F n.i.

Sample Description: G6D260176-1 N.I.

Batch ID: 6116360

Sample Date/Time: Wednesday, April 26, 2006 16:29:21

Method File: C:\elandata\Method\000-LISCGEIN....mth

Dataset File: C:\elandata\Dataset\060426B1\H337F n.i..007

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 33

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
6 Li			614.777	ug/L	0.000
45 Sc			15767.558	ug/L	0.000
69 Ga			29015.068	ug/L	0.000
72 Ge			3062.280	ug/L	0.000
89 Y			42246.034	ug/L	0.000
103 Rh			369.053	ug/L	0.000
115 In			7652.870	ug/L	0.000
133 Cs			3603.853	ug/L	0.000
165 Ho			1246.729	ug/L	0.000
169 Tm			517.154	ug/L	0.000
209 Bi			5781.337	ug/L	0.000

Internal Standard Recoveries

Analyte Mass	Int Std % Recovery
--------------	--------------------

Li 6	
Sc 45	
Ga 69	
Ge 72	95.986
Y 89	
Rh 103	95.652
In 115	
Cs 133	
Ho 165	95.986
Tm 169	
Bi 209	

BJones

Sample ID: Rinse 3X

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, April 26, 2006 16:37:43

Method File: C:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\Rinse 3X.008

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			2104349.240	ug/L	2168057.900
6 Li-1			938739.241	ug/L	944171.698
9 Be	-0.005025	44.449	0.333	ug/L	1.667
27 Al	-2.356153	31.105	36026.545	ug/L	48727.972
44 Ca	2.729472	24.641	17999.829	ug/L	17922.675
51 V	-0.137549	84.617	-36975.723	ug/L	-36803.379
52 Cr	0.023674	234.803	37436.248	ug/L	38566.819
55 Mn	-0.029822	13.999	2446.009	ug/L	2978.840
54 Fe	0.762510	158.283	109047.061	ug/L	112445.934
57 Fe	0.574269	102.666	22778.482	ug/L	23429.769
59 Co	-0.000516	215.630	67.667	ug/L	76.000
60 Ni	-0.010868	64.014	125.694	ug/L	156.021
65 Cu	-0.008866	140.642	140.084	ug/L	164.278
68 Zn	0.606444	47.564	1907.543	ug/L	1508.130
75 As	-0.171196	55.714	16389.732	ug/L	17316.771
82 Se	0.047206	254.603	419.618	ug/L	426.678
97 Mo	0.000359	947.844	24.667	ug/L	25.000
72 Ge-1			1601268.396	ug/L	1659393.482
107 Ag	0.001173	145.445	62.667	ug/L	54.667
111 Cd	0.002019	126.354	10.739	ug/L	7.768
121 Sb	0.003891	98.948	85.334	ug/L	67.667
135 Ba	-0.003125	359.906	262.004	ug/L	267.337
115 In-1			1386233.245	ug/L	1392588.651
205 Tl	0.000334	303.298	59.667	ug/L	56.667
208 Pb	0.000712	518.160	982.688	ug/L	989.688
169 Tm-1			923582.499	ug/L	940776.202
50 Cr	-0.251912	70.117	-1127.643	ug/L	-1111.205
53 Cr	10.361016	60.466	177627.604	ug/L	175510.161
61 Ni	0.550879	607.097	3544.343	ug/L	3653.803
63 Cu	-0.004696	81.098	103.002	ug/L	114.669
67 Zn	3.563379	71.580	2336.208	ug/L	2183.430
66 Zn	0.699397	41.353	697.746	ug/L	459.700
76 Se	59.292225	136.608	-222105.666	ug/L	-232317.750
77 Se	1.833670	138.472	14898.874	ug/L	15234.612
78 Se	-0.252359	141.967	17611.552	ug/L	18365.731

79 Br	166.342238	84.755	44260.921	ug/L	44040.814
72 Ge			1601268.396	ug/L	1659393.482
108 Cd	0.029655	100.602	4.050	ug/L	0.927
114 Cd	-0.000860	450.483	32.543	ug/L	35.785
109 Ag	0.000320	453.002	24.000	ug/L	23.333
115 In			1386233.245	ug/L	1392588.651
208 207.977	0.001250	238.537	508.681	ug/L	508.015
207 Pb	0.002255	69.551	211.003	ug/L	207.336
206 Pb	-0.001449	459.338	263.004	ug/L	274.338
169 Tm			923582.499	ug/L	940776.202
106 Pd	0.005142	86.603	4.667	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	99.425
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	96.497
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	99.544
Tl	205	
Pb	208	
Tm-1	169	98.172
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	96.497
Cd	108	
Cd	114	
Ag	109	
In	115	99.544
207.977	208	
Pb	207	
Pb	206	
Tm	169	98.172
Pd	106	

SOP No. SAC-MT-0001

BJones

Sample ID: Blank

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, April 26, 2006 16:42:19

Method File: C:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\Blank.009

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc			2168057.900	ug/L		
6 Li-1			944171.698	ug/L		
9 Be			1.667	ug/L		
27 Al			48727.972	ug/L		
44 Ca			17922.675	ug/L		
51 V			-36803.379	ug/L		
52 Cr			38566.819	ug/L		
55 Mn			2978.840	ug/L		
54 Fe			112445.934	ug/L		
57 Fe			23429.769	ug/L		
59 Co			76.000	ug/L		
60 Ni			156.021	ug/L		
65 Cu			164.278	ug/L		
68 Zn			1508.130	ug/L		
75 As			17316.771	ug/L		
82 Se			426.678	ug/L		
97 Mo			25.000	ug/L		
72 Ge-1			1659393.482	ug/L		
107 Ag			54.667	ug/L		
111 Cd			7.768	ug/L		
121 Sb			67.667	ug/L		
135 Ba			267.337	ug/L		
115 In-1			1392588.651	ug/L		
205 Tl			56.667	ug/L		
208 Pb			989.688	ug/L		
169 Tm-1			940776.202	ug/L		
50 Cr			-1111.205	ug/L		
53 Cr			175510.161	ug/L		
61 Ni			3653.803	ug/L		
63 Cu			114.669	ug/L		
67 Zn			2183.430	ug/L		
66 Zn			459.700	ug/L		
76 Se			-232317.750	ug/L		
77 Se			15234.612	ug/L		
78 Se			18365.731	ug/L		

	79 Br	44040.814	ug/L
>	72 Ge	1659393.482	ug/L
	108 Cd	0.927	ug/L
	114 Cd	35.785	ug/L
	109 Ag	23.333	ug/L
>	115 In	1392588.651	ug/L
	208 207.977	508.015	ug/L
	207 Pb	207.336	ug/L
	206 Pb	274.338	ug/L
>	169 Tm	940776.202	ug/L
	106 Pd	4.000	ug/L

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

	Sc	45
>	Li-1	6
	Be	9
	Al	27
	Ca	44
	V	51
	Cr	52
	Mn	55
	Fe	54
	Fe	57
	Co	59
	Ni	60
	Cu	65
	Zn	68
	As	75
	Se	82
	Mo	97
>	Ge-1	72
	Ag	107
	Cd	111
	Sb	121
	Ba	135
>	In-1	115
	Tl	205
	Pb	208
>	Tm-1	169
	Cr	50
	Cr	53
	Ni	61
	Cu	63
	Zn	67
	Zn	66
	Se	76
	Se	77
	Se	78
	Br	79
>	Ge	72
	Cd	108
	Cd	114
	Ag	109
>	In	115
	207.977	208
	Pb	207
	Pb	206
>	Tm	169
	Pd	106

SOP No. SAC-MT-0001

BJones

Sample ID: Standard 1

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, April 26, 2006 16:46:50

Method File: C:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\Standard 1.010

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			2026159.207	ug/L	2168057.900
6 Li-1			942878.375	ug/L	944171.698
9 Be	100.000000	2.232	26351.957	ug/L	1.667
27 Al	5100.000000	0.058	23198320.015	ug/L	48727.972
44 Ca	5100.000000	1.289	1297881.844	ug/L	17922.675
51 V	100.000000	0.482	996051.442	ug/L	-36803.379
52 Cr	100.000000	1.205	953891.979	ug/L	38566.819
55 Mn	100.000000	0.219	1397967.586	ug/L	2978.840
54 Fe	5100.000000	1.093	3648851.536	ug/L	112445.934
57 Fe	5100.000000	1.069	1489218.544	ug/L	23429.769
59 Co	100.000000	1.374	1061728.610	ug/L	76.000
60 Ni	100.000000	1.406	223096.253	ug/L	156.021
65 Cu	100.000000	0.872	202894.679	ug/L	164.278
68 Zn	100.000000	1.007	74062.884	ug/L	1508.130
75 As	100.000000	0.153	198407.373	ug/L	17316.771
82 Se	100.000000	1.129	16748.410	ug/L	426.678
97 Mo	200.000000	0.687	286762.536	ug/L	25.000
72 Ge-1			1555191.228	ug/L	1659393.482
107 Ag	50.000000	1.550	341633.911	ug/L	54.667
111 Cd	100.000000	0.680	144530.275	ug/L	7.768
121 Sb	50.000000	1.097	223935.957	ug/L	67.667
135 Ba	100.000000	1.315	128763.624	ug/L	267.337
115 In-1			1341721.393	ug/L	1392588.651
205 Tl	50.000000	0.834	584590.909	ug/L	56.667
208 Pb	100.000000	0.900	1532453.285	ug/L	989.688
169 Tm-1			904882.288	ug/L	940776.202
50 Cr	100.000000	1.474	20378.072	ug/L	-1111.205
53 Cr	100.000000	12.650	242323.102	ug/L	175510.161
61 Ni	100.000000	5.722	6823.447	ug/L	3653.803
63 Cu	100.000000	1.497	157823.155	ug/L	114.669
67 Zn	100.000000	3.221	8323.747	ug/L	2183.430
66 Zn	100.000000	0.327	35816.761	ug/L	459.700
76 Se	100.000000	28.724	-214304.157	ug/L	-232317.750
77 Se	100.000000	9.285	24859.404	ug/L	15234.612
78 Se	100.000000	0.633	59728.275	ug/L	18365.731

79 Br	100.000000	146.410	42321.295	ug/L	44040.814
72 Ge			1555191.228	ug/L	1659393.482
108 Cd	100.000000	1.827	10189.271	ug/L	0.927
114 Cd	100.000000	1.767	342972.356	ug/L	35.785
109 Ag	50.000000	1.687	118055.350	ug/L	23.333
115 In			1341721.393	ug/L	1392588.651
208 207.977	100.000000	1.199	782336.362	ug/L	508.015
207 Pb	100.000000	0.439	323981.617	ug/L	207.336
206 Pb	100.000000	0.972	426135.306	ug/L	274.338
169 Tm			904882.288	ug/L	940776.202
106 Pd	100.000000	0.921	12969.605	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45
Li-1	6
Be	9
Al	27
Ca	44
V	51
Cr	52
Mn	55
Fe	54
Fe	57
Co	59
Ni	60
Cu	65
Zn	68
As	75
Se	82
Mo	97
Ge-1	72
Ag	107
Cd	111
Sb	121
Ba	135
In-1	115
Tl	205
Pb	208
Tm-1	169
Cr	50
Cr	53
Ni	61
Cu	63
Zn	67
Zn	66
Se	76
Se	77
Se	78
Br	79
Ge	72
Cd	108
Cd	114
Ag	109
In	115
207.977	208
Pb	207
Pb	206
Tm	169
Pd	106

SOP No. SAC-MT-0001

BJones

Sample ID: ICV

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, April 26, 2006 16:51:05

Method File: C:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\ICV .011

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 3

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1993430.366	ug/L	2168057.900	
6 Li-1					943600.905	ug/L	944171.698	
9 Be	82.107019	2.192			21656.435	ug/L	1.667	
27 Al	845.531944	0.299			3771750.062	ug/L	48727.972	
44 Ca	885.123046	0.699			232183.865	ug/L	17922.675	
51 V	83.300275	0.068			800066.811	ug/L	-36803.379	
52 Cr	83.499814	0.176			779161.545	ug/L	38566.819	
55 Mn	84.758676	0.733			1150989.886	ug/L	2978.840	
54 Fe	899.454711	0.586			709117.120	ug/L	112445.934	
57 Fe	868.808802	1.140			264016.568	ug/L	23429.769	
59 Co	83.337864	0.788			859099.647	ug/L	76.000	
60 Ni	82.984216	0.516			179776.100	ug/L	156.021	
65 Cu	82.864137	0.442			163271.958	ug/L	164.278	
68 Zn	83.340916	0.841			60160.108	ug/L	1508.130	
75 As	81.010906	1.021			159066.197	ug/L	17316.771	
82 Se	80.822681	0.295			13218.166	ug/L	426.678	
97 Mo	83.056456	1.072			115646.563	ug/L	25.000	
72 Ge-1					1510163.419	ug/L	1659393.482	
107 Ag	42.300248	0.867			283669.648	ug/L	54.667	
111 Cd	82.191496	0.599			116594.039	ug/L	7.768	
121 Sb	41.524135	0.782			182536.680	ug/L	67.667	
135 Ba	82.505085	0.645			104311.758	ug/L	267.337	
115 In-1					1316872.507	ug/L	1392588.651	
205 Tl	41.039853	1.364			462084.616	ug/L	56.667	
208 Pb	84.760299	1.329			1250896.210	ug/L	989.688	
169 Tm-1					871425.006	ug/L	940776.202	
50 Cr	71.888497	1.845			13939.893	ug/L	-1111.205	
53 Cr	76.751436	9.500			217659.954	ug/L	175510.161	
61 Ni	78.273976	5.092			5907.914	ug/L	3653.803	
63 Cu	82.682856	0.183			126717.825	ug/L	114.669	
67 Zn	80.459394	4.616			6889.590	ug/L	2183.430	
66 Zn	82.540601	1.399			28779.588	ug/L	459.700	
76 Se	86.208325	53.223			-208564.812	ug/L	-232317.750	
77 Se	75.680171	2.149			21634.706	ug/L	15234.612	
78 Se	80.748084	0.998			50048.557	ug/L	18365.731	

	79 Br	785.838422	2.457	47975.895	ug/L	44040.814
[>]	72 Ge			1510163.419	ug/L	1659393.482
[>]	108 Cd	80.147038	1.604	8015.212	ug/L	0.927
[>]	114 Cd	82.547479	0.167	277872.447	ug/L	35.785
[>]	109 Ag	41.794006	0.432	96854.697	ug/L	23.333
[>]	115 In			1316872.507	ug/L	1392588.651
[>]	208 207.977	84.886664	1.780	639540.147	ug/L	508.015
[>]	207 Pb	83.694312	1.125	261137.861	ug/L	207.336
[>]	206 Pb	85.338775	0.901	350218.202	ug/L	274.338
[>]	169 Tm			871425.006	ug/L	940776.202
[>]	106 Pd	80.705259	1.555	10467.925	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
[>]	Li-1	6
[>]	Be	9
[>]	Al	27
[>]	Ca	44
[>]	V	51
[>]	Cr	52
[>]	Mn	55
[>]	Fe	54
[>]	Fe	57
[>]	Co	59
[>]	Ni	60
[>]	Cu	65
[>]	Zn	68
[>]	As	75
[>]	Se	82
[>]	Mo	97
[>]	Ge-1	72
[>]	Ag	107
[>]	Cd	111
[>]	Sb	121
[>]	Ba	135
[>]	In-1	115
[>]	Tl	205
[>]	Pb	208
[>]	Tm-1	169
[>]	Cr	50
[>]	Cr	53
[>]	Ni	61
[>]	Cu	63
[>]	Zn	67
[>]	Zn	66
[>]	Se	76
[>]	Se	77
[>]	Se	78
[>]	Br	79
[>]	Ge	72
[>]	Cd	108
[>]	Cd	114
[>]	Ag	109
[>]	In	115
[>]	207.977	208
[>]	Pb	207
[>]	Pb	206
[>]	Tm	169
[>]	Pd	106

SOP No. SAC-MT-0001

BJones

Sample ID: ICB

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, April 26, 2006 16:55:25

Method File: C:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\ICB.012

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1998215.049	ug/L	2168057.900	
6 Li-1					956540.612	ug/L	944171.698	
9 Be	0.002387	82.911			2.333	ug/L	1.667	
27 Al	-0.861503	8.224			40620.406	ug/L	48727.972	
44 Ca	-0.442964	214.477			16231.041	ug/L	17922.675	
51 V	0.894355	13.294			-24592.481	ug/L	-36803.379	
52 Cr	0.110513	48.706			36146.512	ug/L	38566.819	
55 Mn	-0.011171	48.117			2564.376	ug/L	2978.840	
54 Fe	-0.655572	161.519			102076.261	ug/L	112445.934	
57 Fe	-1.355806	68.191			20980.911	ug/L	23429.769	
59 Co	0.003039	30.647			100.667	ug/L	76.000	
60 Ni	-0.012056	82.253			116.112	ug/L	156.021	
65 Cu	0.000035	42866.411			149.813	ug/L	164.278	
68 Zn	-0.382262	17.671			1104.736	ug/L	1508.130	
75 As	-0.281182	46.345			15289.743	ug/L	17316.771	
82 Se	0.070860	148.807			400.326	ug/L	426.678	
97 Mo	0.270462	23.160			399.676	ug/L	25.000	
72 Ge-1					1512869.664	ug/L	1659393.482	
107 Ag	0.018416	14.010			177.002	ug/L	54.667	
111 Cd	0.004197	53.065			13.436	ug/L	7.768	
121 Sb	0.011342	26.562			115.001	ug/L	67.667	
135 Ba	0.009566	82.780			267.671	ug/L	267.337	
115 In-1					1330779.284	ug/L	1392588.651	
205 Tl	0.205395	18.078			2358.991	ug/L	56.667	
208 Pb	0.017047	36.373			1165.030	ug/L	989.688	
169 Tm-1					869131.956	ug/L	940776.202	
50 Cr	0.843438	21.862			-837.309	ug/L	-1111.205	
53 Cr	-36.484805	9.411			132406.088	ug/L	175510.161	
61 Ni	-9.175118	7.449			3027.799	ug/L	3653.803	
63 Cu	-0.001008	808.224			103.002	ug/L	114.669	
67 Zn	-0.673716	160.143			1949.275	ug/L	2183.430	
66 Zn	-0.246236	18.508			334.351	ug/L	459.700	
76 Se	-25.395635	69.928			-212651.910	ug/L	-232317.750	
77 Se	-20.550417	4.383			11775.210	ug/L	15234.612	
78 Se	-1.350528	59.073			16186.098	ug/L	18365.731	

79 Br	136.279257	64.114	41520.857	ug/L	44040.814
72 Ge			1512869.664	ug/L	1659393.482
108 Cd	0.006804	266.517	1.568	ug/L	0.927
114 Cd	0.003364	79.622	45.615	ug/L	35.785
109 Ag	0.015401	28.929	58.334	ug/L	23.333
115 In			1330779.284	ug/L	1392588.651
208 207.977	0.019096	43.049	612.688	ug/L	508.015
207 Pb	0.020187	26.968	254.337	ug/L	207.336
206 Pb	0.010898	42.528	298.005	ug/L	274.338
169 Tm			869131.956	ug/L	940776.202
106 Pd	0.002571	458.257	4.333	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
[> Li-1	6	101.310
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
[> Ge-1	72	91.170
Ag	107	
Cd	111	
Sb	121	
Ba	135	
[> In-1	115	95.562
Tl	205	
Pb	208	
[> Tm-1	169	92.385
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
[> Ge	72	91.170
Cd	108	
Cd	114	
Ag	109	
[> In	115	95.562
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	92.385
Pd	106	

SOP No. SAC-MT-0001

BJones

Sample ID: ICSA

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, April 26, 2006 16:59:45

Method File: C:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\ICSA.013

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 2

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc				1593822.202	ug/L	2168057.900
6 Li-1				763790.747	ug/L	944171.698
9 Be	0.046755	30.492		11.333	ug/L	1.667
27 Al	102564.529905	2.164	375442712.466		ug/L	48727.972
44 Ca	95409.777840	0.961	19329604.274		ug/L	17922.675
51 V	1.343234	50.024		-16692.522	ug/L	-36803.379
52 Cr	1.341547	3.719		39063.362	ug/L	38566.819
55 Mn	2.204092	0.489		27038.380	ug/L	2978.840
54 Fe	97685.625963	0.888	54788349.132		ug/L	112445.934
57 Fe	98496.273913	0.422	22858072.599		ug/L	23429.769
59 Co	1.679791	0.803		14431.894	ug/L	76.000
60 Ni	2.234151	7.901		4130.015	ug/L	156.021
65 Cu	-0.193135	15.815		-191.343	ug/L	164.278
68 Zn	4.155938	2.664		3572.729	ug/L	1508.130
75 As	0.227874	33.187		13417.758	ug/L	17316.771
82 Se	0.580169	71.050		398.814	ug/L	426.678
97 Mo	2026.351305	0.854	2341732.516		ug/L	25.000
72 Ge-1			1253651.833		ug/L	1659393.482
107 Ag	0.279143	3.225		1628.151	ug/L	54.667
111 Cd	0.433135	24.185		527.895	ug/L	7.768
121 Sb	2.154929	0.304		8073.390	ug/L	67.667
135 Ba	0.824611	4.028		1094.402	ug/L	267.337
115 In-1			1115155.504		ug/L	1392588.651
205 Tl	0.125198	7.755		1350.438	ug/L	56.667
208 Pb	0.991795	0.470		14354.564	ug/L	989.688
169 Tm-1			804725.463		ug/L	940776.202
50 Cr	259.813155	5.992		43997.580	ug/L	-1111.205
53 Cr	-43.876014	8.239	105074.501		ug/L	175510.161
61 Ni	33.507142	15.731		3677.163	ug/L	3653.803
63 Cu	5.281029	0.745		6799.724	ug/L	114.669
67 Zn	23.981308	10.725		2861.978	ug/L	2183.430
66 Zn	10.736616	0.791		3409.859	ug/L	459.700
76 Se	-118.999365	39.724	-178806.149		ug/L	-232317.750
77 Se	3.756103	91.076		11827.594	ug/L	15234.612
78 Se	2.050041	46.513		14578.382	ug/L	18365.731

79 Br	336509.384201	0.699	2840102.400	ug/L	44040.814
72 Ge			1253651.833	ug/L	1659393.482
108 Cd	82.025731	0.354	6946.428	ug/L	0.927
114 Cd	4.603526	1.113	13149.397	ug/L	35.785
109 Ag	0.230138	2.861	470.369	ug/L	23.333
115 In			1115155.504	ug/L	1392588.651
208 207.977	1.014494	0.989	7488.537	ug/L	508.015
207 Pb	1.012367	1.499	3092.213	ug/L	207.336
206 Pb	0.934478	1.225	3773.814	ug/L	274.338
169 Tm			804725.463	ug/L	940776.202
106 Pd	0.593882	13.497	81.000	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
[> Li-1	6	80.895
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
[> Ge-1	72	75.549
Ag	107	
Cd	111	
Sb	121	
Ba	135	
[> In-1	115	80.078
Tl	205	
Pb	208	
[> Tm-1	169	85.538
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
[> Ge	72	75.549
Cd	108	
Cd	114	
Ag	109	
[> In	115	80.078
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	85.538
Pd	106	

SOP No. SAC-MT-0001

BJones

Sample ID: ICSAB

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, April 26, 2006 17:04:03

Method File: C:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\ICSAB.014

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 1

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1649408.963	ug/L	2168057.900	
6 Li-1					745822.450	ug/L	944171.698	
9 Be	103.654939	1.727			21610.655	ug/L	1.667	
27 Al	112358.695744	0.373			420346625.992	ug/L	48727.972	
44 Ca	96655.982684	1.180			20014889.412	ug/L	17922.675	
51 V	103.145111	1.179			847291.250	ug/L	-36803.379	
52 Cr	101.323665	1.897			795752.632	ug/L	38566.819	
55 Mn	106.291118	1.618			1223994.752	ug/L	2978.840	
54 Fe	97401.316909	1.816			55832280.284	ug/L	112445.934	
57 Fe	99711.199555	1.597			23649072.249	ug/L	23429.769	
59 Co	106.139470	1.448			928293.049	ug/L	76.000	
60 Ni	103.013877	1.522			189308.317	ug/L	156.021	
65 Cu	97.642473	1.620			163210.266	ug/L	164.278	
68 Zn	100.340065	0.812			61224.504	ug/L	1508.130	
75 As	104.102772	1.339			169620.792	ug/L	17316.771	
82 Se	118.563841	0.633			16301.726	ug/L	426.678	
97 Mo	2172.105187	1.489			2565522.052	ug/L	25.000	
72 Ge-1					1281488.522	ug/L	1659393.482	
107 Ag	48.548454	1.535			292959.210	ug/L	54.667	
111 Cd	100.040975	1.186			127702.432	ug/L	7.768	
121 Sb	52.541481	2.121			207801.231	ug/L	67.667	
135 Ba	102.204584	2.419			116205.560	ug/L	267.337	
115 In-1					1185206.219	ug/L	1392588.651	
205 Tl	52.585837	1.705			556580.308	ug/L	56.667	
208 Pb	108.184211	1.175			1500445.228	ug/L	989.688	
169 Tm-1					819105.705	ug/L	940776.202	
50 Cr	301.921416	3.047			52411.131	ug/L	-1111.205	
53 Cr	98.873082	11.268			198789.740	ug/L	175510.161	
61 Ni	142.676472	3.293			6816.429	ug/L	3653.803	
63 Cu	103.121718	1.650			134059.585	ug/L	114.669	
67 Zn	123.126255	2.042			8052.028	ug/L	2183.430	
66 Zn	110.662332	1.860			32614.309	ug/L	459.700	
76 Se	0.497991	9766.345			-179403.977	ug/L	-232317.750	
77 Se	138.710549	3.516			23845.055	ug/L	15234.612	
78 Se	112.311933	0.767			53524.440	ug/L	18365.731	

79 Br	6933.928205	12.461	93021.934	ug/L	44040.814
72 Ge			1281488.522	ug/L	1659393.482
108 Cd	181.961734	2.605	16371.461	ug/L	0.927
114 Cd	103.504529	1.530	313508.390	ug/L	35.785
109 Ag	48.350605	1.667	100820.234	ug/L	23.333
115 In			1185206.219	ug/L	1392588.651
208 207.977	108.409285	0.801	767628.204	ug/L	508.015
207 Pb	107.187206	1.435	314285.238	ug/L	207.336
206 Pb	108.529012	2.026	418531.785	ug/L	274.338
169 Tm			819105.705	ug/L	940776.202
106 Pd	88.396758	1.827	11465.175	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	78.992
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	77.226
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	85.108
Tl	205	
Pb	208	
Tm-1	169	87.067
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	77.226
Cd	108	
Cd	114	
Ag	109	
In	115	85.108
207.977	208	
Pb	207	
Pb	206	
Tm	169	87.067
Pd	106	

SOP No. SAC-MT-0001

BJones

Sample ID: CCV 1

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, April 26, 2006 17:24:43

Method File: c:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\CCV 1.018

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc				1969031.162	ug/L	2168057.900
6 Li-1				947548.759	ug/L	944171.698
9 Be	100.014631	2.107		26492.048	ug/L	1.667
27 Al	5360.752406	1.172	23123258.219	ug/L		48727.972
44 Ca	5301.326093	1.065	1278685.305	ug/L		17922.675
51 V	102.503365	0.524	969064.157	ug/L		-36803.379
52 Cr	100.852953	0.429	912017.088	ug/L		38566.819
55 Mn	103.711551	0.697	1374916.869	ug/L		2978.840
54 Fe	5166.707472	1.259	3504193.699	ug/L		112445.934
57 Fe	5166.315289	0.435	1430350.314	ug/L		23429.769
59 Co	101.483681	0.393	1021783.255	ug/L		76.000
60 Ni	100.977707	0.441	213628.957	ug/L		156.021
65 Cu	101.058077	0.594	194442.462	ug/L		164.278
68 Zn	102.016134	0.380	71626.324	ug/L		1508.130
75 As	101.391128	0.608	190571.774	ug/L		17316.771
82 Se	103.471440	1.351	16420.404	ug/L		426.678
97 Mo	206.679758	0.569	281041.171	ug/L		25.000
72 Ge-1			1474958.569	ug/L		1659393.482
107 Ag	50.644583	0.746	338977.932	ug/L		54.667
111 Cd	100.753645	0.789	142649.041	ug/L		7.768
121 Sb	50.516008	0.316	221626.002	ug/L		67.667
135 Ba	100.879380	0.946	127242.569	ug/L		267.337
115 In-1			1314343.789	ug/L		1392588.651
205 Tl	51.062339	1.580	584073.414	ug/L		56.667
208 Pb	101.517735	1.121	1521853.201	ug/L		989.688
169 Tm-1			885258.114	ug/L		940776.202
50 Cr	102.337832	3.305	19796.393	ug/L		-1111.205
53 Cr	94.684214	8.526	225862.177	ug/L		175510.161
61 Ni	105.992832	3.981	6664.101	ug/L		3653.803
63 Cu	100.543127	0.309	150475.502	ug/L		114.669
67 Zn	98.262080	1.564	7790.034	ug/L		2183.430
66 Zn	102.007049	1.438	34640.951	ug/L		459.700
76 Se	199.820853	10.429	-200005.736	ug/L		-232317.750
77 Se	93.001941	2.778	22869.574	ug/L		15234.612
78 Se	101.778032	0.635	57361.839	ug/L		18365.731

79 Br	608.439476	18.798	45122.354	ug/L	44040.814
72 Ge			1474958.569	ug/L	1659393.482
108 Cd	102.287129	0.334	10209.687	ug/L	0.927
114 Cd	100.339368	0.629	337103.690	ug/L	35.785
109 Ag	49.987841	1.013	115620.310	ug/L	23.333
115 In			1314343.789	ug/L	1392588.651
208 207.977	101.631333	1.307	777804.848	ug/L	508.015
207 Pb	101.481395	0.785	321630.201	ug/L	207.336
206 Pb	101.336802	1.092	422418.151	ug/L	274.338
169 Tm			885258.114	ug/L	940776.202
106 Pd	98.957244	0.336	12834.406	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
[> Li-1	6	100.358
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
[> Ge-1	72	88.885
Ag	107	
Cd	111	
Sb	121	
Ba	135	
[> In-1	115	94.381
Tl	205	
Pb	208	
[> Tm-1	169	94.099
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
[> Ge	72	88.885
Cd	108	
Cd	114	
Ag	109	
[> In	115	94.381
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	94.099
Pd	106	

BJones

Sample ID: CCB 1

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, April 26, 2006 17:29:04

Method File: c:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\CCB 1.019

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1994033.477	ug/L	2168057.900
6 Li-1			941673.363	ug/L	944171.698
9 Be	0.002546	85.188	2.333	ug/L	1.667
27 Al	-0.728835	39.583	41077.604	ug/L	48727.972
44 Ca	-2.738492	6.673	15620.932	ug/L	17922.675
51 V	1.082582	30.654	-22636.899	ug/L	-36803.379
52 Cr	-0.366842	19.769	31781.619	ug/L	38566.819
55 Mn	-0.018320	31.350	2459.679	ug/L	2978.840
54 Fe	-3.035354	22.945	100145.346	ug/L	112445.934
57 Fe	-1.635658	34.161	20835.886	ug/L	23429.769
59 Co	0.004081	36.962	111.001	ug/L	76.000
60 Ni	-0.006327	61.678	128.089	ug/L	156.021
65 Cu	-0.001000	143.088	147.335	ug/L	164.278
68 Zn	-0.454218	12.677	1050.730	ug/L	1508.130
75 As	0.025137	1141.729	15782.141	ug/L	17316.771
82 Se	-0.039785	362.169	381.430	ug/L	426.678
97 Mo	0.622366	26.917	886.714	ug/L	25.000
72 Ge-1			1508056.809	ug/L	1659393.482
107 Ag	0.018924	17.178	181.335	ug/L	54.667
111 Cd	0.006168	51.486	16.336	ug/L	7.768
121 Sb	0.032712	14.705	211.003	ug/L	67.667
135 Ba	-0.004041	151.892	251.670	ug/L	267.337
115 In-1			1337827.248	ug/L	1392588.651
205 Tl	0.187395	19.294	2186.946	ug/L	56.667
208 Pb	0.024920	15.553	1299.370	ug/L	989.688
169 Tm-1			881758.373	ug/L	940776.202
50 Cr	0.999152	16.052	-802.172	ug/L	-1111.205
53 Cr	-41.553981	10.408	128153.167	ug/L	175510.161
61 Ni	-4.422843	80.553	3174.279	ug/L	3653.803
63 Cu	0.000514	747.802	105.002	ug/L	114.669
67 Zn	-1.640766	113.253	1883.902	ug/L	2183.430
66 Zn	-0.401628	7.248	280.013	ug/L	459.700
76 Se	42.390437	46.579	-209723.703	ug/L	-232317.750
77 Se	-30.664845	4.383	10700.245	ug/L	15234.612
78 Se	-1.032291	55.403	16264.498	ug/L	18365.731

79 Br	438.569458	24.989	44418.461	ug/L	44040.814
72 Ge			1508056.809	ug/L	1659393.482
108 Cd	0.034374	57.707	4.383	ug/L	0.927
114 Cd	0.006350	102.781	56.098	ug/L	35.785
109 Ag	0.020517	28.828	70.667	ug/L	23.333
115 In			1337827.248	ug/L	1392588.651
208 207.977	0.022646	14.808	648.691	ug/L	508.015
207 Pb	0.032877	17.581	298.005	ug/L	207.336
206 Pb	0.023046	21.768	352.674	ug/L	274.338
169 Tm			881758.373	ug/L	940776.202
106 Pd	-0.002571	173.205	3.667	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	99.735
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	90.880
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	96.068
Tl	205	
Pb	208	
Tm-1	169	93.727
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	90.880
Cd	108	
Cd	114	
Ag	109	
In	115	96.068
207.977	208	
Pb	207	
Pb	206	
Tm	169	93.727
Pd	106	

SOP No. SAC-MT-0001

BJones

Sample ID: CCV 2

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, April 26, 2006 17:33:24

Method File: c:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\CCV 2.020

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1970351.305	ug/L	2168057.900
6 Li-1			939851.569	ug/L	944171.698
9 Be	101.221669	1.802	26596.367	ug/L	1.667
27 Al	5260.791463	0.918	23050412.663	ug/L	48727.972
44 Ca	5225.685260	0.647	1280568.397	ug/L	17922.675
51 V	101.986376	0.564	979205.370	ug/L	-36803.379
52 Cr	99.966416	0.601	918556.141	ug/L	38566.819
55 Mn	102.373270	0.276	1378637.040	ug/L	2978.840
54 Fe	5101.453946	0.206	3515780.085	ug/L	112445.934
57 Fe	5129.057372	0.601	1442567.022	ug/L	23429.769
59 Co	100.018082	0.372	1022893.197	ug/L	76.000
60 Ni	99.517119	0.592	213862.386	ug/L	156.021
65 Cu	99.937959	0.300	195321.399	ug/L	164.278
68 Zn	100.827399	0.315	71921.717	ug/L	1508.130
75 As	100.485631	0.270	191986.569	ug/L	17316.771
82 Se	101.394956	0.419	16352.790	ug/L	426.678
97 Mo	204.762979	0.449	282821.043	ug/L	25.000
72 Ge-1			1498178.622	ug/L	1659393.482
107 Ag	50.232001	2.066	337778.401	ug/L	54.667
111 Cd	99.794414	1.088	141959.574	ug/L	7.768
121 Sb	50.500526	1.398	222603.009	ug/L	67.667
135 Ba	100.726394	1.984	127642.304	ug/L	267.337
115 In-1			1320665.862	ug/L	1392588.651
205 Tl	50.199770	1.485	579863.560	ug/L	56.667
208 Pb	100.306670	1.251	1518566.102	ug/L	989.688
169 Tm-1			894011.092	ug/L	940776.202
50 Cr	99.932371	3.716	19617.440	ug/L	-1111.205
53 Cr	87.428487	6.591	223961.322	ug/L	175510.161
61 Ni	100.102252	1.691	6576.246	ug/L	3653.803
63 Cu	99.754121	0.683	151648.633	ug/L	114.669
67 Zn	96.514566	1.594	7806.741	ug/L	2183.430
66 Zn	101.082456	0.871	34872.497	ug/L	459.700
76 Se	131.305476	20.561	-205416.904	ug/L	-232317.750
77 Se	91.348610	2.579	23060.254	ug/L	15234.612
78 Se	100.720795	0.454	57831.749	ug/L	18365.731

79 Br	360.840019	8.826	43359.747	ug/L	44040.814
72 Ge			1498178.622	ug/L	1659393.482
108 Cd	101.465263	4.016	10173.232	ug/L	0.927
114 Cd	100.553095	0.907	339430.926	ug/L	35.785
109 Ag	50.050836	2.421	116299.114	ug/L	23.333
115 In			1320665.862	ug/L	1392588.651
208 207.977	99.851139	2.023	771720.558	ug/L	508.015
207 Pb	99.875493	0.615	319675.146	ug/L	207.336
206 Pb	101.470845	0.547	427170.398	ug/L	274.338
169 Tm			894011.092	ug/L	940776.202
106 Pd	97.816683	1.563	12686.525	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
[> Li-1	6	99.542
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
[> Ge-1	72	90.285
Ag	107	
Cd	111	
Sb	121	
Ba	135	
[> In-1	115	94.835
Tl	205	
Pb	208	
[> Tm-1	169	95.029
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
[> Ge	72	90.285
Cd	108	
Cd	114	
Ag	109	
[> In	115	94.835
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	95.029
Pd	106	

BJones

Sample ID: CCB 2

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, April 26, 2006 17:37:45

Method File: c:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\CCB 2.021

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			2015711.979	ug/L	2168057.900
6 Li-1			937983.573	ug/L	944171.698
9 Be	0.002629	470.245	2.333	ug/L	1.667
27 Al	-0.821134	22.863	41026.293	ug/L	48727.972
44 Ca	-2.123992	117.215	15905.112	ug/L	17922.675
51 V	1.008494	13.539	-23579.247	ug/L	-36803.379
52 Cr	-0.369646	17.384	32039.553	ug/L	38566.819
55 Mn	-0.015575	13.269	2519.029	ug/L	2978.840
54 Fe	-2.028550	109.178	101720.712	ug/L	112445.934
57 Fe	-2.065245	95.907	20896.856	ug/L	23429.769
59 Co	0.007386	29.502	146.335	ug/L	76.000
60 Ni	-0.000040	13316.154	142.834	ug/L	156.021
65 Cu	0.000296	776.897	151.197	ug/L	164.278
68 Zn	-0.500671	1.386	1027.060	ug/L	1508.130
75 As	0.065325	589.530	15988.831	ug/L	17316.771
82 Se	-0.045456	204.383	384.089	ug/L	426.678
97 Mo	0.606394	26.097	871.378	ug/L	25.000
72 Ge-1			1521674.822	ug/L	1659393.482
107 Ag	0.023882	18.586	216.336	ug/L	54.667
111 Cd	0.005773	6.079	15.856	ug/L	7.768
121 Sb	0.038837	26.042	239.670	ug/L	67.667
135 Ba	0.015250	94.114	277.671	ug/L	267.337
115 In-1			1344332.526	ug/L	1392588.651
205 Tl	0.203709	19.601	2387.333	ug/L	56.667
208 Pb	0.027533	12.781	1347.707	ug/L	989.688
169 Tm-1			887671.727	ug/L	940776.202
50 Cr	1.056454	9.237	-797.326	ug/L	-1111.205
53 Cr	-42.942311	13.626	128216.412	ug/L	175510.161
61 Ni	-4.939769	34.563	3186.959	ug/L	3653.803
63 Cu	-0.000455	1254.395	104.335	ug/L	114.669
67 Zn	-2.101183	84.888	1871.894	ug/L	2183.430
66 Zn	-0.376936	9.522	291.014	ug/L	459.700
76 Se	63.701631	31.635	-210912.211	ug/L	-232317.750
77 Se	-30.481015	1.771	10816.012	ug/L	15234.612
78 Se	-0.796463	93.533	16506.887	ug/L	18365.731

79 Br	310.679676	47.388	43511.610	ug/L	44040.814
72 Ge			1521674.822	ug/L	1659393.482
108 Cd	0.022608	44.715	3.199	ug/L	0.927
114 Cd	0.006460	36.377	56.812	ug/L	35.785
109 Ag	0.024603	10.359	80.668	ug/L	23.333
115 In			1344332.526	ug/L	1392588.651
208 207.977	0.027572	11.720	691.027	ug/L	508.015
207 Pb	0.030200	10.424	291.672	ug/L	207.336
206 Pb	0.025434	30.596	365.008	ug/L	274.338
169 Tm			887671.727	ug/L	940776.202
106 Pd	0.010284	86.603	5.333	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
> Li-1	6	99.345
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
> Ge-1	72	91.701
Ag	107	
Cd	111	
Sb	121	
Ba	135	
> In-1	115	96.535
Tl	205	
Pb	208	
> Tm-1	169	94.355
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
> Ge	72	91.701
Cd	108	
Cd	114	
Ag	109	
> In	115	96.535
207.977	208	
Pb	207	
Pb	206	
> Tm	169	94.355
Pd	106	

SOP No. SAC-MT-0001

BJones

Sample ID: CCV 3

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, April 26, 2006 18:25:06

Method File: c:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\CCV 3.032

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1979538.701	ug/L	2168057.900	
6 Li-1					929364.041	ug/L	944171.698	
9 Be	100.910368	1.071			26218.222	ug/L	1.667	
27 Al	5256.384110	0.689			23113368.100	ug/L	48727.972	
44 Ca	5206.573270	0.852			1280479.330	ug/L	17922.675	
51 V	100.862033	0.659			971490.122	ug/L	-36803.379	
52 Cr	100.648519	1.073			927834.269	ug/L	38566.819	
55 Mn	101.745232	0.899			1375018.571	ug/L	2978.840	
54 Fe	5155.677984	1.334			3564531.693	ug/L	112445.934	
57 Fe	5130.007484	0.931			1447917.975	ug/L	23429.769	
59 Co	99.684012	0.714			1023069.283	ug/L	76.000	
60 Ni	99.102993	1.358			213715.331	ug/L	156.021	
65 Cu	99.297144	1.019			194756.034	ug/L	164.278	
68 Zn	99.371750	0.048			71154.478	ug/L	1508.130	
75 As	100.268436	1.161			192280.381	ug/L	17316.771	
82 Se	100.690844	1.747			16298.921	ug/L	426.678	
97 Mo	203.106362	0.603			281534.402	ug/L	25.000	
72 Ge-1					1503496.432	ug/L	1659393.482	
107 Ag	50.606225	1.528			337340.743	ug/L	54.667	
111 Cd	100.051546	0.828			141086.561	ug/L	7.768	
121 Sb	50.563703	1.325			220945.270	ug/L	67.667	
135 Ba	100.142642	0.872			125812.791	ug/L	267.337	
115 In-1					1309110.252	ug/L	1392588.651	
205 Tl	50.157417	1.272			578444.122	ug/L	56.667	
208 Pb	100.156728	1.122			1513826.487	ug/L	989.688	
169 Tm-1					892592.204	ug/L	940776.202	
50 Cr	101.916849	2.437			20097.021	ug/L	-1111.205	
53 Cr	100.846519	11.460			234808.726	ug/L	175510.161	
61 Ni	101.018931	4.889			6629.025	ug/L	3653.803	
63 Cu	98.593305	0.564			150413.490	ug/L	114.669	
67 Zn	97.424305	3.124			7889.283	ug/L	2183.430	
66 Zn	100.062981	1.342			34648.038	ug/L	459.700	
76 Se	101.346752	21.060			-207140.148	ug/L	-232317.750	
77 Se	99.231581	3.629			23946.585	ug/L	15234.612	
78 Se	100.066682	1.530			57766.795	ug/L	18365.731	

79 Br	198.327317	78.931	41882.768	ug/L	44040.814
72 Ge			1503496.432	ug/L	1659393.482
108 Cd	100.254653	1.443	9967.155	ug/L	0.927
114 Cd	100.619374	1.661	336712.724	ug/L	35.785
109 Ag	49.892997	0.472	114937.937	ug/L	23.333
115 In			1309110.252	ug/L	1392588.651
208 207.977	99.798247	1.440	770054.866	ug/L	508.015
207 Pb	99.348128	1.423	317450.405	ug/L	207.336
206 Pb	101.429679	0.351	426321.217	ug/L	274.338
169 Tm			892592.204	ug/L	940776.202
106 Pd	98.815644	1.231	12816.047	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Inf Std % Recovery

Sc	45	
Li-1	6	98.432
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	90.605
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	94.006
Tl	205	
Pb	208	
Tm-1	169	94.878
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	90.605
Cd	108	
Cd	114	
Ag	109	
In	115	94.006
207.977	208	
Pb	207	
Pb	206	
Tm	169	94.878
Pd	106	

SOP No. SAC-MT-0001

BJones

Sample ID: CCB 3**Sample Description:****Batch ID:****Sample Date/Time:** Wednesday, April 26, 2006 18:29:27**Method File:** c:\elandata\Method\6116313.mth**Dataset File:** C:\elandata\Dataset\060426B1\CCB 3.033**Tuning File:** c:\elandata\Tuning\default.tun**Optimization File:** c:\elandata\Optimize\default.dac**Autosampler Position:** 5**Number of Replicates:** 3**Dual Detector Mode:** Dual**Initial Sample Quantity (mg):****Sample Prep Volume (mL):****Aliquot Volume (mL):****Diluted To Volume (mL):**

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					2035614.652	ug/L	2168057.900	
6 Li-1					966830.682	ug/L	944171.698	
9 Be	0.010997	71.393			4.667	ug/L	1.667	
27 Al	-0.567655	23.696			42624.240	ug/L	48727.972	
44 Ca	-2.337929	10.614			16035.013	ug/L	17922.675	
51 V	1.046076	16.059			-23461.498	ug/L	-36803.379	
52 Cr	0.112673	26.840			36778.137	ug/L	38566.819	
55 Mn	0.001812	396.291			2787.111	ug/L	2978.840	
54 Fe	0.228403	419.403			104406.833	ug/L	112445.934	
57 Fe	-2.727032	45.208			20946.985	ug/L	23429.769	
59 Co	0.009483	8.333			170.002	ug/L	76.000	
60 Ni	-0.002648	133.357			138.789	ug/L	156.021	
65 Cu	-0.008448	49.865			135.330	ug/L	164.278	
68 Zn	-0.391441	12.988			1116.738	ug/L	1508.130	
75 As	-0.172241	72.970			15742.978	ug/L	17316.771	
82 Se	-0.055361	324.424			386.493	ug/L	426.678	
97 Mo	0.543703	30.000			793.371	ug/L	25.000	
72 Ge-1					1538417.245	ug/L	1659393.482	
107 Ag	0.030284	15.662			258.337	ug/L	54.667	
111 Cd	0.008806	37.214			20.096	ug/L	7.768	
121 Sb	0.095401	12.035			489.680	ug/L	67.667	
135 Ba	0.003446	234.762			260.671	ug/L	267.337	
115 In-1					1335324.172	ug/L	1392588.651	
205 Tl	0.165566	22.991			1985.899	ug/L	56.667	
208 Pb	0.036073	8.632			1501.383	ug/L	989.688	
169 Tm-1					903087.943	ug/L	940776.202	
50 Cr	0.759904	12.942			-869.113	ug/L	-1111.205	
53 Cr	-34.374242	9.907			136262.928	ug/L	175510.161	
61 Ni	-1.256883	380.770			3345.460	ug/L	3653.803	
63 Cu	-0.003601	94.362			100.668	ug/L	114.669	
67 Zn	-0.903179	237.119			1967.621	ug/L	2183.430	
66 Zn	-0.337509	7.030			308.015	ug/L	459.700	
76 Se	-39.885729	47.924			-216734.221	ug/L	-232317.750	
77 Se	-22.973439	5.371			11721.160	ug/L	15234.612	
78 Se	-1.404014	27.868			16436.421	ug/L	18365.731	

	79 Br	92.370445	65.174	41773.020	ug/L	44040.814
>	72 Ge			1538417.245	ug/L	1659393.482
	108 Cd	0.019948	86.423	2.927	ug/L	0.927
	114 Cd	0.000793	648.948	36.941	ug/L	35.785
	109 Ag	0.025812	10.381	83.001	ug/L	23.333
>	115 In			1335324.172	ug/L	1392588.651
	208 207.977	0.036145	12.312	769.701	ug/L	508.015
	207 Pb	0.036606	26.514	317.339	ug/L	207.336
	206 Pb	0.035536	12.970	414.343	ug/L	274.338
>	169 Tm			903087.943	ug/L	940776.202
	106 Pd	0.005142	229.129	4.667	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
> Li-1	6	102.400
	Be	9
	Al	27
	Ca	44
	V	51
	Cr	52
	Mn	55
	Fe	54
	Fe	57
	Co	59
	Ni	60
	Cu	65
	Zn	68
	As	75
	Se	82
	Mo	97
> Ge-1	72	92.710
	Ag	107
	Cd	111
	Sb	121
	Ba	135
> In-1	115	95.888
	Tl	205
	Pb	208
> Tm-1	169	95.994
	Cr	50
	Cr	53
	Ni	61
	Cu	63
	Zn	67
	Zn	66
	Se	76
	Se	77
	Se	78
	Br	79
> Ge	72	92.710
	Cd	108
	Cd	114
	Ag	109
> In	115	95.888
	207.977	208
	Pb	207
	Pb	206
> Tm	169	95.994
	Pd	106

SOP No. SAC-MT-0001

BJones

Sample ID: CCV 4

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, April 26, 2006 18:33:48

Method File: c:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\CCV 4.034

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1985073.923	ug/L	2168057.900	
6 Li-1					938143.209	ug/L	944171.698	
9 Be	100.827699	0.856			26444.233	ug/L	1.667	
27 Al	5185.322609	0.662			23015142.449	ug/L	48727.972	
44 Ca	5165.535803	0.202			1282405.374	ug/L	17922.675	
51 V	101.424296	0.644			986241.609	ug/L	-36803.379	
52 Cr	100.021601	0.617			930939.133	ug/L	38566.819	
55 Mn	101.872650	0.256			1389639.143	ug/L	2978.840	
54 Fe	5140.228614	0.490			3587514.273	ug/L	112445.934	
57 Fe	5130.982703	0.402			1461789.613	ug/L	23429.769	
59 Co	99.314039	0.858			1028837.966	ug/L	76.000	
60 Ni	98.619700	0.825			214677.440	ug/L	156.021	
65 Cu	99.058144	0.461			196110.552	ug/L	164.278	
68 Zn	100.418512	0.251			72560.957	ug/L	1508.130	
75 As	100.466703	0.560			194432.244	ug/L	17316.771	
82 Se	101.063579	0.517			16511.919	ug/L	426.678	
97 Mo	201.601246	0.205			282059.864	ug/L	25.000	
72 Ge-1					1517548.390	ug/L	1659393.482	
107 Ag	50.547713	0.664			334724.984	ug/L	54.667	
111 Cd	101.122969	0.234			141655.909	ug/L	7.768	
121 Sb	51.288633	0.849			222625.692	ug/L	67.667	
135 Ba	101.880221	0.127			127143.162	ug/L	267.337	
115 In-1					1300439.953	ug/L	1392588.651	
205 Tl	49.438234	0.332			573493.468	ug/L	56.667	
208 Pb	98.491065	0.889			1497397.287	ug/L	989.688	
169 Tm-1					897734.811	ug/L	940776.202	
50 Cr	99.895831	3.081			19859.741	ug/L	-1111.205	
53 Cr	92.459952	4.775			230675.169	ug/L	175510.161	
61 Ni	96.908862	2.781			6555.537	ug/L	3653.803	
63 Cu	99.091019	0.720			152587.343	ug/L	114.669	
67 Zn	97.586467	2.501			7973.496	ug/L	2183.430	
66 Zn	100.003139	0.525			34952.396	ug/L	459.700	
76 Se	116.828842	24.466			-208555.991	ug/L	-232317.750	
77 Se	95.018221	3.593			23737.858	ug/L	15234.612	
78 Se	100.047093	0.436			58299.978	ug/L	18365.731	

	79 Br	77.362303	67.747	41058.669	ug/L	44040.814
>	72 Ge			1517548.390	ug/L	1659393.482
	108 Cd	101.686468	1.660	10040.940	ug/L	0.927
	114 Cd	101.346585	0.664	336873.156	ug/L	35.785
	109 Ag	50.608352	1.794	115797.473	ug/L	23.333
>	115 In			1300439.953	ug/L	1392588.651
	208 207.977	98.782088	1.225	766722.493	ug/L	508.015
	207 Pb	98.116965	0.220	315366.376	ug/L	207.336
	206 Pb	98.241183	0.976	415308.418	ug/L	274.338
>	169 Tm			897734.811	ug/L	940776.202
	106 Pd	98.208025	1.331	12737.265	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
> Li-1	6	99.362
	Be	9
	Al	27
	Ca	44
	V	51
	Cr	52
	Mn	55
	Fe	54
	Fe	57
	Co	59
	Ni	60
	Cu	65
	Zn	68
	As	75
	Se	82
	Mo	97
> Ge-1	72	91.452
	Ag	107
	Cd	111
	Sb	121
	Ba	135
> In-1	115	93.383
	Tl	205
	Pb	208
> Tm-1	169	95.425
	Cr	50
	Cr	53
	Ni	61
	Cu	63
	Zn	67
	Zn	66
	Se	76
	Se	77
	Se	78
	Br	79
> Ge	72	91.452
	Cd	108
	Cd	114
	Ag	109
> In	115	93.383
	207.977	208
	Pb	207
	Pb	206
> Tm	169	95.425
	Pd	106

SOP No. SAC-MT-0001

BJones

Sample ID: CCB 4

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, April 26, 2006 18:38:09

Method File: c:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\CCB 4.035

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			2020577.077	ug/L	2168057.900
6 Li-1			950370.415	ug/L	944171.698
9 Be	0.006197	124.521	3.333	ug/L	1.667
27 Al	-0.552736	22.693	42683.521	ug/L	48727.972
44 Ca	-1.807254	25.508	16164.251	ug/L	17922.675
51 V	0.975674	25.889	-24149.536	ug/L	-36803.379
52 Cr	-0.036786	105.070	35414.189	ug/L	38566.819
55 Mn	0.003179	70.157	2805.116	ug/L	2978.840
54 Fe	0.221770	389.823	104383.905	ug/L	112445.934
57 Fe	-0.452607	178.343	21588.418	ug/L	23429.769
59 Co	0.011179	15.744	187.669	ug/L	76.000
60 Ni	-0.008485	71.338	125.979	ug/L	156.021
65 Cu	-0.003162	223.134	145.843	ug/L	164.278
68 Zn	-0.454756	20.358	1070.732	ug/L	1508.130
75 As	-0.238115	61.806	15624.621	ug/L	17316.771
82 Se	0.030383	270.270	400.455	ug/L	426.678
97 Mo	0.594592	31.608	864.712	ug/L	25.000
72 Ge-1			1538251.556	ug/L	1659393.482
107 Ag	0.032096	6.479	271.338	ug/L	54.667
111 Cd	0.008897	22.083	20.285	ug/L	7.768
121 Sb	0.081393	12.685	428.344	ug/L	67.667
135 Ba	0.001930	651.475	259.671	ug/L	267.337
115 In-1			1339618.581	ug/L	1392588.651
205 Tl	0.191545	20.136	2308.313	ug/L	56.667
208 Pb	0.041432	9.929	1595.391	ug/L	989.688
169 Tm-1			909894.545	ug/L	940776.202
50 Cr	0.880270	13.467	-843.376	ug/L	-1111.205
53 Cr	-37.667768	14.178	133689.435	ug/L	175510.161
61 Ni	-7.186261	4.914	3145.583	ug/L	3653.803
63 Cu	0.000499	1035.789	107.002	ug/L	114.669
67 Zn	-0.218906	444.091	2009.980	ug/L	2183.430
66 Zn	-0.402860	10.949	285.013	ug/L	459.700
76 Se	9.427833	403.322	-215049.674	ug/L	-232317.750
77 Se	-25.353764	4.567	11469.593	ug/L	15234.612
78 Se	-1.106798	18.375	16559.268	ug/L	18365.731

79 Br	94.615352	125.184	41784.739	ug/L	44040.814
72 Ge			1538251.556	ug/L	1659393.482
108 Cd	0.038684	122.674	4.778	ug/L	0.927
114 Cd	0.009028	30.008	65.270	ug/L	35.785
109 Ag	0.033350	15.045	101.002	ug/L	23.333
115 In			1339618.581	ug/L	1392588.651
208 207.977	0.046022	9.741	853.375	ug/L	508.015
207 Pb	0.039865	18.340	330.340	ug/L	207.336
206 Pb	0.034196	11.228	411.676	ug/L	274.338
169 Tm			909894.545	ug/L	940776.202
106 Pd	0.007713	264.575	5.000	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	100.657
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	92.700
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	96.196
Tl	205	
Pb	208	
Tm-1	169	96.717
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	92.700
Cd	108	
Cd	114	
Ag	109	
In	115	96.196
207.977	208	
Pb	207	
Pb	206	
Tm	169	96.717
Pd	106	

SOP No. SAC-MT-0001

BJones

Sample ID: CCV 5

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, April 26, 2006 19:26:01

Method File: c:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\CCV 5.046

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					2030809.865	ug/L	2168057.900	
6 Li-1					936264.839	ug/L	944171.698	
9 Be	100.653720	1.834			26344.268	ug/L	1.667	
27 Al	5152.175465	0.024			23199078.514	ug/L	48727.972	
44 Ca	5216.160492	0.476			1313606.793	ug/L	17922.675	
51 V	101.416081	1.254			1000414.359	ug/L	-36803.379	
52 Cr	100.756838	0.587			951108.465	ug/L	38566.819	
55 Mn	101.050615	0.463			1398372.040	ug/L	2978.840	
54 Fe	5123.421818	0.687			3628061.133	ug/L	112445.934	
57 Fe	5103.601090	0.430			1475119.286	ug/L	23429.769	
59 Co	99.793489	0.170			1048746.137	ug/L	76.000	
60 Ni	99.698636	0.166			220162.157	ug/L	156.021	
65 Cu	99.459320	0.837			199762.872	ug/L	164.278	
68 Zn	100.087651	0.430			73375.063	ug/L	1508.130	
75 As	100.623501	0.970			197522.996	ug/L	17316.771	
82 Se	99.387229	1.258			16478.664	ug/L	426.678	
97 Mo	201.930918	1.562			286584.772	ug/L	25.000	
72 Ge-1					1539521.834	ug/L	1659393.482	
107 Ag	50.377599	0.152			339742.302	ug/L	54.667	
111 Cd	100.304201	0.999			143084.194	ug/L	7.768	
121 Sb	50.467874	0.668			223092.254	ug/L	67.667	
135 Ba	100.397420	0.184			127597.997	ug/L	267.337	
115 In-1					1324326.427	ug/L	1392588.651	
205 Tl	49.835685	0.944			584400.377	ug/L	56.667	
208 Pb	99.953690	0.686			1536206.531	ug/L	989.688	
169 Tm-1					907562.757	ug/L	940776.202	
50 Cr	100.434357	2.211			20265.888	ug/L	-1111.205	
53 Cr	100.485318	7.947			240221.146	ug/L	175510.161	
61 Ni	93.406532	2.251			6532.154	ug/L	3653.803	
63 Cu	99.650990	0.620			155677.005	ug/L	114.669	
67 Zn	97.156745	2.420			8062.726	ug/L	2183.430	
66 Zn	100.178984	0.632			35520.427	ug/L	459.700	
76 Se	113.614324	33.803			-211683.642	ug/L	-232317.750	
77 Se	99.777195	5.238			24581.830	ug/L	15234.612	
78 Se	99.477766	0.212			58905.289	ug/L	18365.731	

	79 Br	94.257169	96.959	41830.589	ug/L	44040.814
>	72 Ge			1539521.834	ug/L	1659393.482
	108 Cd	101.509822	1.733	10209.028	ug/L	0.927
	114 Cd	100.866744	0.652	341443.575	ug/L	35.785
	109 Ag	50.447939	0.443	117565.680	ug/L	23.333
>	115 In			1324326.427	ug/L	1392588.651
	208 207.977	100.181194	0.745	786053.555	ug/L	508.015
	207 Pb	99.871461	0.719	324506.535	ug/L	207.336
	206 Pb	99.598519	0.713	425646.441	ug/L	274.338
>	169 Tm			907562.757	ug/L	940776.202
	106 Pd	97.332651	1.375	12623.768	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

	Sc	45	
>	Li-1	6	99.163
	Be	9	
	Al	27	
	Ca	44	
	V	51	
	Cr	52	
	Mn	55	
	Fe	54	
	Fe	57	
	Co	59	
	Ni	60	
	Cu	65	
	Zn	68	
	As	75	
	Se	82	
	Mo	97	
>	Ge-1	72	92.776
	Ag	107	
	Cd	111	
	Sb	121	
	Ba	135	
>	In-1	115	95.098
	Tl	205	
	Pb	208	
>	Tm-1	169	96.470
	Cr	50	
	Cr	53	
	Ni	61	
	Cu	63	
	Zn	67	
	Zn	66	
	Se	76	
	Se	77	
	Se	78	
	Br	79	
>	Ge	72	92.776
	Cd	108	
	Cd	114	
	Ag	109	
>	In	115	95.098
	207.977	208	
	Pb	207	
	Pb	206	
>	Tm	169	96.470
	Pd	106	

SOP No. SAC-MT-0001

BJones

Sample ID: CCB 5

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, April 26, 2006 19:30:22

Method File: c:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\CCB 5.047

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			2030099.534	ug/L	2168057.900
6 Li-1			957514.143	ug/L	944171.698
9 Be	0.005949	134.948	3.333	ug/L	1.667
27 Al	-0.606305	42.494	42488.911	ug/L	48727.972
44 Ca	1.221063	219.865	16930.700	ug/L	17922.675
51 V	1.223628	18.760	-21706.769	ug/L	-36803.379
52 Cr	-0.142129	61.860	34501.237	ug/L	38566.819
55 Mn	0.013259	141.310	2946.165	ug/L	2978.840
54 Fe	-0.550398	778.199	103959.661	ug/L	112445.934
57 Fe	-0.796761	271.868	21513.145	ug/L	23429.769
59 Co	0.011629	11.743	192.669	ug/L	76.000
60 Ni	-0.002481	35.287	139.374	ug/L	156.021
65 Cu	0.004469	19.701	161.493	ug/L	164.278
68 Zn	-0.442607	3.492	1081.400	ug/L	1508.130
75 As	0.142432	76.560	16329.472	ug/L	17316.771
82 Se	-0.175374	26.712	367.830	ug/L	426.678
97 Mo	0.550179	26.706	805.039	ug/L	25.000
72 Ge-1			1540484.405	ug/L	1659393.482
107 Ag	0.029437	7.769	253.004	ug/L	54.667
111 Cd	0.011258	19.791	23.737	ug/L	7.768
121 Sb	0.052528	19.695	299.672	ug/L	67.667
135 Ba	0.019754	41.166	282.005	ug/L	267.337
115 In-1			1337662.988	ug/L	1392588.651
205 Tl	0.165125	19.208	1994.567	ug/L	56.667
208 Pb	0.046572	9.607	1669.061	ug/L	989.688
169 Tm-1			907651.623	ug/L	940776.202
50 Cr	0.875185	26.614	-845.054	ug/L	-1111.205
53 Cr	-39.898382	12.763	132168.283	ug/L	175510.161
61 Ni	-9.483123	9.281	3073.178	ug/L	3653.803
63 Cu	-0.000505	565.061	105.668	ug/L	114.669
67 Zn	-0.809858	146.892	1975.291	ug/L	2183.430
66 Zn	-0.366702	14.021	298.014	ug/L	459.700
76 Se	-18.735357	285.604	-216335.638	ug/L	-232317.750
77 Se	-27.160148	10.511	11292.765	ug/L	15234.612
78 Se	-1.239739	74.506	16520.604	ug/L	18365.731

79 Br	68.337698	156.995	41569.688	ug/L	44040.814
72 Ge			1540484.405	ug/L	1659393.482
108 Cd	0.048974	90.912	5.778	ug/L	0.927
114 Cd	0.009617	29.412	67.485	ug/L	35.785
109 Ag	0.027411	16.710	86.668	ug/L	23.333
115 In			1337662.988	ug/L	1392588.651
208 207.977	0.047112	11.370	859.042	ug/L	508.015
207 Pb	0.050981	13.118	365.341	ug/L	207.336
206 Pb	0.042227	15.978	444.678	ug/L	274.338
169 Tm			907651.623	ug/L	940776.202
106 Pd	0.002571	754.983	4.333	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
> Li-1	6	101.413
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
> Ge-1	72	92.834
Ag	107	
Cd	111	
Sb	121	
Ba	135	
> In-1	115	96.056
Tl	205	
Pb	208	
> Tm-1	169	96.479
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
> Ge	72	92.834
Cd	108	
Cd	114	
Ag	109	
> In	115	96.056
207.977	208	
Pb	207	
Pb	206	
> Tm	169	96.479
Pd	106	

SOP No. SAC-MT-0001

BJones

Sample ID: CCV 6

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, April 26, 2006 19:34:42

Method File: c:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\CCV 6.048

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			2002986.330	ug/L	2168057.900
6 Li-1			930486.552	ug/L	944171.698
9 Be	99.866551	1.925	25977.174	ug/L	1.667
27 Al	5172.668799	0.237	22979113.735	ug/L	48727.972
44 Ca	5175.585959	0.374	1286024.126	ug/L	17922.675
51 V	101.816835	0.786	991029.924	ug/L	-36803.379
52 Cr	101.238748	0.282	942665.740	ug/L	38566.819
55 Mn	101.953809	0.428	1391970.907	ug/L	2978.840
54 Fe	5155.283516	0.247	3600976.809	ug/L	112445.934
57 Fe	5128.811030	0.217	1462460.442	ug/L	23429.769
59 Co	99.661788	0.449	1033341.455	ug/L	76.000
60 Ni	98.725287	0.895	215100.039	ug/L	156.021
65 Cu	99.220020	0.741	196609.004	ug/L	164.278
68 Zn	100.769553	0.739	72876.248	ug/L	1508.130
75 As	100.382406	0.383	194459.772	ug/L	17316.771
82 Se	99.205321	1.098	16229.067	ug/L	426.678
97 Mo	201.290142	0.561	281875.791	ug/L	25.000
72 Ge-1			1518905.458	ug/L	1659393.482
107 Ag	50.438522	0.698	336555.882	ug/L	54.667
111 Cd	100.681989	0.275	142115.212	ug/L	7.768
121 Sb	51.249359	0.829	224155.292	ug/L	67.667
135 Ba	100.377112	0.480	126229.077	ug/L	267.337
115 In-1			1310384.246	ug/L	1392588.651
205 Tl	49.946003	0.656	577445.400	ug/L	56.667
208 Pb	100.491385	0.101	1522706.537	ug/L	989.688
169 Tm-1			894748.151	ug/L	940776.202
50 Cr	104.234809	3.062	20788.367	ug/L	-1111.205
53 Cr	95.133736	4.689	232912.288	ug/L	175510.161
61 Ni	94.782182	5.329	6491.072	ug/L	3653.803
63 Cu	98.452683	0.292	151741.552	ug/L	114.669
67 Zn	95.523989	0.474	7853.857	ug/L	2183.430
66 Zn	100.294377	1.357	35082.508	ug/L	459.700
76 Se	133.963628	31.801	-208175.391	ug/L	-232317.750
77 Se	100.052517	2.411	24278.559	ug/L	15234.612
78 Se	101.020341	1.324	58755.766	ug/L	18365.731

79 Br	67.910769	125.558	41001.499	ug/L	44040.814
72 Ge			1518905.458	ug/L	1659393.482
108 Cd	101.301244	0.932	10080.087	ug/L	0.927
114 Cd	100.810806	0.479	337660.641	ug/L	35.785
109 Ag	50.290122	0.586	115971.095	ug/L	23.333
115 In			1310384.246	ug/L	1392588.651
208 207.977	100.289596	0.449	775810.652	ug/L	508.015
207 Pb	101.064177	0.324	323753.030	ug/L	207.336
206 Pb	100.426368	0.712	423142.855	ug/L	274.338
169 Tm			894748.151	ug/L	940776.202
106 Pd	99.371768	0.137	12888.151	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Inf Std % Recovery

Sc	45	
[> Li-1	6	98.551
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
[> Ge-1	72	91.534
Ag	107	
Cd	111	
Sb	121	
Ba	135	
[> In-1	115	94.097
Tl	205	
Pb	208	
[> Tm-1	169	95.107
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
[> Ge	72	91.534
Cd	108	
Cd	114	
Ag	109	
[> In	115	94.097
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	95.107
Pd	106	

SOP No. SAC-MT-0001

BJones

Sample ID: CCB 6

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, April 26, 2006 19:39:03

Method File: c:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\CCB 6.049

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			2016904.799	ug/L	2168057.900
6 Li-1			940760.783	ug/L	944171.698
9 Be	0.010195	78.228	4.333	ug/L	1.667
27 Al	-0.666596	39.202	42059.192	ug/L	48727.972
44 Ca	0.523969	392.923	16696.919	ug/L	17922.675
51 V	1.196663	11.152	-21867.037	ug/L	-36803.379
52 Cr	-0.133069	63.694	34447.677	ug/L	38566.819
55 Mn	0.016446	65.078	2982.176	ug/L	2978.840
54 Fe	-0.593963	276.396	103554.330	ug/L	112445.934
57 Fe	-1.305556	94.993	21290.689	ug/L	23429.769
59 Co	0.015902	9.038	236.670	ug/L	76.000
60 Ni	0.001727	135.781	148.025	ug/L	156.021
65 Cu	-0.009458	62.586	132.880	ug/L	164.278
68 Zn	-0.409869	13.275	1100.403	ug/L	1508.130
75 As	-0.050225	759.832	15918.238	ug/L	17316.771
82 Se	-0.110377	154.689	376.643	ug/L	426.678
97 Mo	0.585898	29.616	849.377	ug/L	25.000
72 Ge-1			1534330.263	ug/L	1659393.482
107 Ag	0.028612	12.887	247.004	ug/L	54.667
111 Cd	0.017891	27.721	33.192	ug/L	7.768
121 Sb	0.061876	9.199	340.673	ug/L	67.667
135 Ba	0.025791	99.391	289.338	ug/L	267.337
115 In-1			1335464.803	ug/L	1392588.651
205 Tl	0.188503	17.557	2235.625	ug/L	56.667
208 Pb	0.051523	12.009	1723.065	ug/L	989.688
169 Tm-1			895658.289	ug/L	940776.202
50 Cr	0.921615	19.512	-832.358	ug/L	-1111.205
53 Cr	-40.260679	15.369	131348.117	ug/L	175510.161
61 Ni	-7.823002	61.643	3116.223	ug/L	3653.803
63 Cu	0.010225	85.533	122.002	ug/L	114.669
67 Zn	0.150239	1062.897	2027.325	ug/L	2183.430
66 Zn	-0.351608	3.909	302.348	ug/L	459.700
76 Se	30.926587	63.584	-213762.348	ug/L	-232317.750
77 Se	-26.597530	5.961	11310.448	ug/L	15234.612
78 Se	-0.452204	64.646	16790.660	ug/L	18365.731

79 Br	50.303472	246.087	41222.538	ug/L	44040.814
72 Ge			1534330.263	ug/L	1659393.482
108 Cd	0.000366	4935.161	0.927	ug/L	0.927
114 Cd	0.014275	20.767	83.046	ug/L	35.785
109 Ag	0.029917	7.253	92.668	ug/L	23.333
115 In			1335464.803	ug/L	1392588.651
208 207.977	0.051356	6.087	881.044	ug/L	508.015
207 Pb	0.052534	22.243	365.674	ug/L	207.336
206 Pb	0.051058	16.008	476.346	ug/L	274.338
169 Tm			895658.289	ug/L	940776.202
106 Pd	0.015425	50.000	6.000	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
> Li-1	6	99.639
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
> Ge-1	72	92.463
Ag	107	
Cd	111	
Sb	121	
Ba	135	
> In-1	115	95.898
Tl	205	
Pb	208	
> Tm-1	169	95.204
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
> Ge	72	92.463
Cd	108	
Cd	114	
Ag	109	
> In	115	95.898
207.977	208	
Pb	207	
Pb	206	
> Tm	169	95.204
Pd	106	

SOP No. SAC-MT-0001

BJones

Sample ID: H34E1C

Sample Description: G6D260000-334 LCS

Batch ID: 6116334

Sample Date/Time: Wednesday, April 26, 2006 19:43:22

Method File: c:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\H34E1C.050

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 103

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			2009741.176	ug/L	2168057.900
6 Li-1			945518.615	ug/L	944171.698
9 Be	180.548353	3.184	47704.363	ug/L	1.667
27 Al	954.420252	1.562	4373998.459	ug/L	48727.972
44 Ca	1047.024496	1.042	279495.734	ug/L	17922.675
51 V	185.747796	1.388	1877699.601	ug/L	-36803.379
52 Cr	183.112143	0.804	1714810.543	ug/L	38566.819
55 Mn	194.417300	0.988	2712570.392	ug/L	2978.840
54 Fe	1052.783492	1.336	835940.475	ug/L	112445.934
57 Fe	992.276207	0.714	307112.899	ug/L	23429.769
59 Co	186.187590	1.167	1974519.612	ug/L	76.000
60 Ni	190.992760	0.311	425527.008	ug/L	156.021
65 Cu	190.353298	0.163	385692.619	ug/L	164.278
68 Zn	189.514629	0.392	138951.662	ug/L	1508.130
75 As	184.037014	0.688	351162.853	ug/L	17316.771
82 Se	183.510984	2.213	30365.442	ug/L	426.678
97 Mo	196.237869	1.881	281061.128	ug/L	25.000
72 Ge-1			1553755.261	ug/L	1659393.482
107 Ag	48.364871	0.419	335466.849	ug/L	54.667
111 Cd	188.997027	0.657	277295.218	ug/L	7.768
121 Sb	46.154063	2.100	209854.191	ug/L	67.667
135 Ba	197.012761	1.294	257268.264	ug/L	267.337
115 In-1			1362064.676	ug/L	1392588.651
205 Tl	50.995120	1.150	613145.104	ug/L	56.667
208 Pb	191.579547	1.104	3017880.863	ug/L	989.688
169 Tm-1			930507.920	ug/L	940776.202
50 Cr	168.382801	1.055	34989.290	ug/L	-1111.205
53 Cr	142.675734	2.398	275201.841	ug/L	175510.161
61 Ni	186.713226	1.792	9761.226	ug/L	3653.803
63 Cu	187.541007	0.280	295576.815	ug/L	114.669
67 Zn	171.912154	0.700	12824.266	ug/L	2183.430
66 Zn	186.222514	1.320	66261.485	ug/L	459.700
76 Se	185.939139	8.864	-211168.729	ug/L	-232317.750
77 Se	140.403958	1.246	29098.838	ug/L	15234.612
78 Se	183.767336	1.272	95243.151	ug/L	18365.731

79 Br	-1882.332356	6.465	21789.705	ug/L	44040.814
72 Ge			1553755.261	ug/L	1659393.482
108 Cd	184.645058	0.643	19098.429	ug/L	0.927
114 Cd	187.048727	0.722	651210.467	ug/L	35.785
109 Ag	48.112464	0.183	115322.015	ug/L	23.333
115 In			1362064.676	ug/L	1392588.651
208 Tm	207.977	193.205132	1.465	1553733.579	ug/L
207 Pb		200.775753	1.079	668647.339	ug/L
206 Pb		181.603056	1.028	795499.946	ug/L
169 Tm			930507.920	ug/L	274.338
106 Pd		192.191404	1.002	24922.779	ug/L
					940776.202
					4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	100.143
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	93.634
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	97.808
Tl	205	
Pb	208	
Tm-1	169	98.909
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	93.634
Cd	108	
Cd	114	
Ag	109	
In	115	97.808
207.977	208	
Pb	207	
Pb	206	
Tm	169	98.909
Pd	106	

SOP No. SAC-MT-0001

BJones

Sample ID: H34E1L

Sample Description: G6D260000-334 LCSD

Batch ID: 6116334

Sample Date/Time: Wednesday, April 26, 2006 19:47:38

Method File: c:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\H34E1L.051

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 104

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1952901.284	ug/L	2168057.900
6 Li-1			944868.752	ug/L	944171.698
9 Be	183.495712	1.883	48466.199	ug/L	1.667
27 Al	966.209356	0.283	4316376.220	ug/L	48727.972
44 Ca	1043.835270	0.681	271706.090	ug/L	17922.675
51 V	185.858150	0.824	1831702.734	ug/L	-36803.379
52 Cr	182.491524	0.289	1666190.758	ug/L	38566.819
55 Mn	196.022940	1.088	2666326.630	ug/L	2978.840
54 Fe	1037.551346	0.196	804665.048	ug/L	112445.934
57 Fe	994.622096	0.723	300053.480	ug/L	23429.769
59 Co	186.966362	0.465	1933012.489	ug/L	76.000
60 Ni	189.906515	0.546	412455.495	ug/L	156.021
65 Cu	191.195424	0.212	377647.068	ug/L	164.278
68 Zn	193.863708	0.267	138532.375	ug/L	1508.130
75 As	187.561489	0.736	348591.486	ug/L	17316.771
82 Se	192.101407	0.357	30974.419	ug/L	426.678
97 Mo	198.702071	0.497	277463.240	ug/L	25.000
72 Ge-1			1514629.118	ug/L	1659393.482
107 Ag	48.397750	1.416	330901.487	ug/L	54.667
111 Cd	190.996090	0.949	276227.951	ug/L	7.768
121 Sb	46.722814	1.244	209407.411	ug/L	67.667
135 Ba	195.222277	1.403	251293.879	ug/L	267.337
115 In-1			1342677.455	ug/L	1392588.651
205 Tl	51.264631	0.703	604850.108	ug/L	56.667
208 Pb	191.439003	0.315	2959391.368	ug/L	989.688
169 Tm-1			913085.708	ug/L	940776.202
50 Cr	167.031892	0.268	33827.231	ug/L	-1111.205
53 Cr	142.380944	3.869	268010.234	ug/L	175510.161
61 Ni	184.749538	2.973	9449.266	ug/L	3653.803
63 Cu	188.295703	1.214	289294.253	ug/L	114.669
67 Zn	175.688896	3.056	12730.217	ug/L	2183.430
66 Zn	190.631670	0.411	66119.546	ug/L	459.700
76 Se	198.014799	24.028	-205447.113	ug/L	-232317.750
77 Se	151.560765	0.745	29513.468	ug/L	15234.612
78 Se	191.378453	0.865	96002.180	ug/L	18365.731

79 Br	-1931.516837	5.038	20731.865	ug/L	44040.814
72 Ge			1514629.118	ug/L	1659393.482
108 Cd	188.138320	0.547	19182.650	ug/L	0.927
114 Cd	190.712273	0.859	654494.975	ug/L	35.785
109 Ag	47.776064	1.322	112880.317	ug/L	23.333
115 In			1342677.455	ug/L	1392588.651
208 207.977	192.889630	1.027	1522276.216	ug/L	508.015
207 Pb	198.485303	0.937	648684.008	ug/L	207.336
206 Pb	183.418323	0.188	788431.143	ug/L	274.338
169 Tm			913085.708	ug/L	940776.202
106 Pd	192.670946	0.637	24984.955	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
> Li-1	6	100.074
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
> Ge-1	72	91.276
Ag	107	
Cd	111	
Sb	121	
Ba	135	
> In-1	115	96.416
Tl	205	
Pb	208	
> Tm-1	169	97.057
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
> Ge	72	91.276
Cd	108	
Cd	114	
Ag	109	
> In	115	96.416
207.977	208	
Pb	207	
Pb	206	
> Tm	169	97.057
Pd	106	

SOP No. SAC-MT-0001

BJones

Sample ID: Rinse

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, April 26, 2006 19:51:58

Method File: c:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\Rinse.052

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 6

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1957940.615	ug/L	2168057.900
6 Li-1			994160.260	ug/L	944171.698
9 Be	0.003304	229.302	2.667	ug/L	1.667
27 Al	-1.728199	0.959	36168.264	ug/L	48727.972
44 Ca	-4.011495	34.831	15098.686	ug/L	17922.675
51 V	1.280673	12.471	-20362.389	ug/L	-36803.379
52 Cr	-0.354102	9.340	31456.780	ug/L	38566.819
55 Mn	0.003462	448.843	2716.090	ug/L	2978.840
54 Fe	-4.951745	51.419	97487.821	ug/L	112445.934
57 Fe	-6.362218	18.121	19247.905	ug/L	23429.769
59 Co	0.009512	2.181	164.668	ug/L	76.000
60 Ni	-0.019393	11.899	98.489	ug/L	156.021
65 Cu	-0.010562	56.240	126.746	ug/L	164.278
68 Zn	-0.825179	2.947	778.368	ug/L	1508.130
75 As	-0.104250	301.387	15338.235	ug/L	17316.771
82 Se	-0.165533	116.003	356.536	ug/L	426.678
97 Mo	0.631850	28.933	888.381	ug/L	25.000
72 Ge-1			1487172.175	ug/L	1659393.482
107 Ag	0.055916	12.254	433.011	ug/L	54.667
111 Cd	0.008579	41.179	19.779	ug/L	7.768
121 Sb	0.430845	19.647	1987.565	ug/L	67.667
135 Ba	0.010655	189.582	270.004	ug/L	267.337
115 In-1			1335971.218	ug/L	1392588.651
205 Tl	0.034107	4.174	446.345	ug/L	56.667
208 Pb	0.054453	2.305	1758.736	ug/L	989.688
169 Tm-1			891134.483	ug/L	940776.202
50 Cr	1.298083	12.406	-729.984	ug/L	-1111.205
53 Cr	-55.305416	5.210	116167.865	ug/L	175510.161
61 Ni	-10.959007	22.106	2918.363	ug/L	3653.803
63 Cu	0.000597	1094.310	103.668	ug/L	114.669
67 Zn	-2.686473	46.740	1795.516	ug/L	2183.430
66 Zn	-0.789981	1.732	144.670	ug/L	459.700
76 Se	6.473065	564.309	-207995.251	ug/L	-232317.750
77 Se	-39.341642	1.629	9675.410	ug/L	15234.612
78 Se	-2.166771	29.340	15578.954	ug/L	18365.731

79 Br	47.775224	248.091	39941.410	ug/L	44040.814
> 72 Ge			1487172.175	ug/L	1659393.482
108 Cd	0.066346	55.532	7.630	ug/L	0.927
114 Cd	0.006404	72.587	56.277	ug/L	35.785
109 Ag	0.052426	11.291	145.670	ug/L	23.333
> 115 In			1335971.218	ug/L	1392588.651
208 207.977	0.059167	7.648	936.717	ug/L	508.015
207 Pb	0.055477	13.760	373.341	ug/L	207.336
206 Pb	0.045019	4.017	448.678	ug/L	274.338
> 169 Tm			891134.483	ug/L	940776.202
106 Pd	0.017996	89.214	6.333	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Inf Std % Recovery

Sc	45	
> Li-1	6	105.294
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
> Ge-1	72	89.621
Ag	107	
Cd	111	
Sb	121	
Ba	135	
> In-1	115	95.934
Tl	205	
Pb	208	
> Tm-1	169	94.723
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
> Ge	72	89.621
Cd	108	
Cd	114	
Ag	109	
> In	115	95.934
207.977	208	
Pb	207	
Pb	206	
> Tm	169	94.723
Pd	106	

Sample ID: H34E1B

Sample Description: G6D260000-334 BLK

Batch ID: 6116334

Sample Date/Time: Wednesday, April 26, 2006 19:56:20

Method File: c:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\H34E1B.053

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 21

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc			2020429.649	ug/L	2168057.900	
6 Li-1			951330.743	ug/L	944171.698	
9 Be	0.003775	291.191	2.667	ug/L	1.667	
27 Al	-6.084945	1.045	18286.756	ug/L	48727.972	
44 Ca	-14.602625	8.908	13304.775	ug/L	17922.675	
51 V	2.673978	3.402	-7028.269	ug/L	-36803.379	
52 Cr	-1.415886	5.664	23459.413	ug/L	38566.819	
55 Mn	0.287059	2.489	6889.713	ug/L	2978.840	
54 Fe	-4.073958	28.516	103941.056	ug/L	112445.934	
57 Fe	-7.880440	9.413	19957.281	ug/L	23429.769	
59 Co	0.019420	25.329	281.671	ug/L	76.000	
60 Ni	-0.030445	16.988	79.327	ug/L	156.021	
65 Cu	-0.022785	12.626	109.179	ug/L	164.278	
68 Zn	-0.388885	20.080	1145.742	ug/L	1508.130	
75 As	-0.144712	123.913	16179.767	ug/L	17316.771	
82 Se	-0.346291	48.934	348.224	ug/L	426.678	
97 Mo	0.141798	6.577	229.670	ug/L	25.000	
72 Ge-1			1576344.120	ug/L	1659393.482	
107 Ag	0.010978	16.209	131.334	ug/L	54.667	
111 Cd	0.002365	83.360	11.221	ug/L	7.768	
121 Sb	0.117014	11.220	605.354	ug/L	67.667	
135 Ba	-0.112893	1.143	115.667	ug/L	267.337	
115 In-1			1379516.827	ug/L	1392588.651	
205 Tl	0.023364	7.801	338.673	ug/L	56.667	
208 Pb	0.089311	8.845	2396.461	ug/L	989.688	
169 Tm-1			934770.450	ug/L	940776.202	
50 Cr	3.383267	3.118	-320.894	ug/L	-1111.205	
53 Cr	-134.915200	4.095	60344.807	ug/L	175510.161	
61 Ni	-10.328915	12.390	3115.553	ug/L	3653.803	
63 Cu	-0.018135	31.888	80.001	ug/L	114.669	
67 Zn	-15.719731	9.907	1073.185	ug/L	2183.430	
66 Zn	-0.074725	72.015	409.694	ug/L	459.700	
76 Se	22.220208	428.507	-219948.445	ug/L	-232317.750	
77 Se	-89.966800	2.080	4827.599	ug/L	15234.612	
78 Se	-1.196454	35.828	16929.120	ug/L	18365.731	

79 Br	-2039.057662	5.989	20439.389	ug/L	44040.814
72 Ge			1576344.120	ug/L	1659393.482
108 Cd	0.015538	238.392	2.568	ug/L	0.927
114 Cd	0.001159	195.101	39.504	ug/L	35.785
109 Ag	0.007911	44.586	42.334	ug/L	23.333
115 In			1379516.827	ug/L	1392588.651
208 207.977	0.091884	11.643	1246.756	ug/L	508.015
207 Pb	0.092808	12.709	516.682	ug/L	207.336
206 Pb	0.081930	3.890	633.023	ug/L	274.338
169 Tm			934770.450	ug/L	940776.202
106 Pd	-0.002571	346.410	3.667	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	100.758
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	94.995
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	99.061
Tl	205	
Pb	208	
Tm-1	169	99.362
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	94.995
Cd	108	
Cd	114	
Ag	109	
In	115	99.061
207.977	208	
Pb	207	
Pb	206	
Tm	169	99.362
Pd	106	

SOP No. SAC-MT-0001

BJones

Sample ID: H3KFF

Sample Description: G6D190170-1

Batch ID: 6116334

Sample Date/Time: Wednesday, April 26, 2006 20:00:39

Method File: c:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\H3KFF.054

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 46

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					2046383.540	ug/L	2168057.900	
6 Li-1					964708.206	ug/L	944171.698	
9 Be	0.006045	93.693			3.333	ug/L	1.667	
27 Al	89.821126	0.770			465919.281	ug/L	48727.972	
44 Ca	344.958335	2.563			106273.511	ug/L	17922.675	
51 V	2.654913	7.214			-7317.687	ug/L	-36803.379	
52 Cr	-0.154559	47.731			35678.596	ug/L	38566.819	
55 Mn	3.978581	1.420			59904.040	ug/L	2978.840	
54 Fe	82.771915	5.102			167362.889	ug/L	112445.934	
57 Fe	102.298180	3.803			52797.776	ug/L	23429.769	
59 Co	0.447830	1.195			4957.737	ug/L	76.000	
60 Ni	0.357573	0.627			969.321	ug/L	156.021	
65 Cu	32.224737	1.144			67284.263	ug/L	164.278	
68 Zn	2.635965	1.534			3420.002	ug/L	1508.130	
75 As	-0.057853	270.786			16566.577	ug/L	17316.771	
82 Se	-0.189840	111.234			378.731	ug/L	426.678	
97 Mo	0.260144	5.887			407.343	ug/L	25.000	
72 Ge-1					1598080.866	ug/L	1659393.482	
107 Ag	0.021543	4.831			206.336	ug/L	54.667	
111 Cd	0.027196	17.542			48.273	ug/L	7.768	
121 Sb	0.092617	7.639			495.681	ug/L	67.667	
135 Ba	1.825563	6.342			2687.413	ug/L	267.337	
115 In-1					1385752.584	ug/L	1392588.651	
205 Tl	0.024329	10.571			354.674	ug/L	56.667	
208 Pb	0.858274	0.564			14752.884	ug/L	989.688	
169 Tm-1					947044.411	ug/L	940776.202	
50 Cr	4.527959	4.069			-73.966	ug/L	-1111.205	
53 Cr	-129.669186	4.875			65396.679	ug/L	175510.161	
61 Ni	-13.255399	27.998			3054.827	ug/L	3653.803	
63 Cu	32.143539	2.110			52195.414	ug/L	114.669	
67 Zn	-11.912093	20.761			1333.954	ug/L	2183.430	
66 Zn	2.905371	5.506			1498.693	ug/L	459.700	
76 Se	21.167291	139.203			-222998.039	ug/L	-232317.750	
77 Se	-88.548830	0.994			5050.020	ug/L	15234.612	
78 Se	-1.748070	49.922			16923.065	ug/L	18365.731	

79 Br	-1976.452213	4.462	21396.985	ug/L	44040.814	
72 Ge			1598080.866	ug/L	1659393.482	
108 Cd	0.124628	58.460	14.114	ug/L	0.927	
114 Cd	0.013068	50.739	81.993	ug/L	35.785	
109 Ag	0.019496	35.663	70.667	ug/L	23.333	
115 In			1385752.584	ug/L	1392588.651	
208 Tm	207.977	0.894902	1.024	7834.172	ug/L	508.015
207 Pb		0.869072	0.796	3153.568	ug/L	207.336
206 Pb		0.782818	0.127	3765.143	ug/L	274.338
169 Tm			947044.411	ug/L	940776.202	
106 Pd		0.424201	20.651	59.000	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	102.175
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	96.305
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	99.509
Tl	205	
Pb	208	
Tm-1	169	100.666
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	96.305
Cd	108	
Cd	114	
Ag	109	
In	115	99.509
207.977	208	
Pb	207	
Pb	206	
Tm	169	100.666
Pd	106	

BJones

Sample ID: H3KFFP5

Sample Description: G6D190170-1 5X

Batch ID: 6116334

Sample Date/Time: Wednesday, April 26, 2006 20:04:56

Method File: c:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\H3KFFP5.055

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 47

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					2004145.644	ug/L	2168057.900	
6 Li-1					990991.546	ug/L	944171.698	
9 Be	-0.000298	1851.084			1.667	ug/L	1.667	
27 Al	16.962258	2.054			120683.054	ug/L	48727.972	
44 Ca	74.677013	2.470			34974.429	ug/L	17922.675	
51 V	1.695432	25.079			-16719.227	ug/L	-36803.379	
52 Cr	0.153877	28.624			36944.831	ug/L	38566.819	
55 Mn	0.915095	4.148			15309.397	ug/L	2978.840	
54 Fe	13.611995	5.113			112979.383	ug/L	112445.934	
57 Fe	17.912684	8.982			26668.859	ug/L	23429.769	
59 Co	0.092650	3.404			1037.728	ug/L	76.000	
60 Ni	0.147460	8.173			467.351	ug/L	156.021	
65 Cu	6.526015	0.569			13166.678	ug/L	164.278	
68 Zn	3.004665	4.039			3537.715	ug/L	1508.130	
75 As	-0.148377	68.094			15699.446	ug/L	17316.771	
82 Se	-0.205310	55.234			360.319	ug/L	426.678	
97 Mo	0.093061	8.011			154.335	ug/L	25.000	
72 Ge-1					1529935.574	ug/L	1659393.482	
107 Ag	0.018185	11.536			179.335	ug/L	54.667	
111 Cd	0.003398	129.445			12.565	ug/L	7.768	
121 Sb	0.070628	10.462			386.675	ug/L	67.667	
135 Ba	0.366845	6.816			739.031	ug/L	267.337	
115 In-1					1360176.108	ug/L	1392588.651	
205 Tl	0.014289	10.541			224.336	ug/L	56.667	
208 Pb	0.212191	6.717			4255.403	ug/L	989.688	
169 Tm-1					916419.517	ug/L	940776.202	
50 Cr	2.164421	5.435			-568.370	ug/L	-1111.205	
53 Cr	-67.477557	7.593			110177.322	ug/L	175510.161	
61 Ni	-10.153505	10.387			3029.468	ug/L	3653.803	
63 Cu	6.501892	0.979			10192.262	ug/L	114.669	
67 Zn	-2.169782	73.210			1878.565	ug/L	2183.430	
66 Zn	3.157061	8.482			1522.371	ug/L	459.700	
76 Se	-22.716114	256.350			-214959.764	ug/L	-232317.750	
77 Se	-45.695640	1.205			9292.453	ug/L	15234.612	
78 Se	-2.037199	17.923			16080.788	ug/L	18365.731	

	79 Br	-147.749593	39.164	39098.054	ug/L	44040.814
>	72 Ge			1529935.574	ug/L	1659393.482
	108 Cd	0.036207	40.729	4.644	ug/L	0.927
	114 Cd	0.001475	229.606	40.088	ug/L	35.785
	109 Ag	0.016385	6.870	62.001	ug/L	23.333
>	115 In			1360176.108	ug/L	1392588.651
	208 207.977	0.218800	7.268	2227.618	ug/L	508.015
	207 Pb	0.225926	11.276	942.718	ug/L	207.336
	206 Pb	0.189613	4.717	1085.067	ug/L	274.338
>	169 Tm			916419.517	ug/L	940776.202
	106 Pd	0.079698	33.986	14.333	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
> Li-1	6	104.959
	Be	9
	Al	27
	Ca	44
	V	51
	Cr	52
	Mn	55
	Fe	54
	Fe	57
	Co	59
	Ni	60
	Cu	65
	Zn	68
	As	75
	Se	82
	Mo	97
> Ge-1	72	92.198
	Ag	107
	Cd	111
	Sb	121
	Ba	135
> In-1	115	97.672
	Tl	205
	Pb	208
> Tm-1	169	97.411
	Cr	50
	Cr	53
	Ni	61
	Cu	63
	Zn	67
	Zn	66
	Se	76
	Se	77
	Se	78
	Br	79
> Ge	72	92.198
	Cd	108
	Cd	114
	Ag	109
> In	115	97.672
	207.977	208
	Pb	207
	Pb	206
> Tm	169	97.411
	Pd	106

SOP No. SAC-MT-0001

BJones

Sample ID: H3KFFZ

Sample Description: G6D190170-1 PS

Batch ID: 6116334

Sample Date/Time: Wednesday, April 26, 2006 20:09:13

Method File: c:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\H3KFFZ.056

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 48

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1977112.854	ug/L	2168057.900
6 Li-1			948641.973	ug/L	944171.698
9 Be	204.810528	1.019	54312.060	ug/L	1.667
27 Al	1149.335692	0.638	5188745.159	ug/L	48727.972
44 Ca	1527.644181	0.764	394814.772	ug/L	17922.675
51 V	200.812485	0.456	2006030.483	ug/L	-36803.379
52 Cr	200.308266	0.727	1847743.408	ug/L	38566.819
55 Mn	217.254527	0.537	2990902.457	ug/L	2978.840
54 Fe	1213.534205	1.008	935025.424	ug/L	112445.934
57 Fe	1201.810659	0.493	362479.978	ug/L	23429.769
59 Co	205.282576	0.070	2148342.053	ug/L	76.000
60 Ni	209.290372	0.067	460092.406	ug/L	156.021
65 Cu	240.534861	0.436	480866.772	ug/L	164.278
68 Zn	232.972712	0.706	168234.636	ug/L	1508.130
75 As	209.780391	0.194	392757.434	ug/L	17316.771
82 Se	220.153939	0.777	35873.050	ug/L	426.678
97 Mo	213.337716	0.569	301544.026	ug/L	25.000
72 Ge-1			1533138.884	ug/L	1659393.482
107 Ag	53.472827	1.630	370597.927	ug/L	54.667
111 Cd	211.220013	2.437	309622.290	ug/L	7.768
121 Sb	50.956097	2.680	231463.039	ug/L	67.667
135 Ba	214.403509	1.882	279750.372	ug/L	267.337
115 In-1			1361206.221	ug/L	1392588.651
205 Tl	55.832635	1.050	665516.042	ug/L	56.667
208 Pb	208.597193	1.401	3257478.989	ug/L	989.688
169 Tm-1			922519.480	ug/L	940776.202
50 Cr	180.728098	2.542	37131.024	ug/L	-1111.205
53 Cr	170.671080	4.794	292985.050	ug/L	175510.161
61 Ni	207.467633	2.495	10326.369	ug/L	3653.803
63 Cu	235.609848	0.629	366387.964	ug/L	114.669
67 Zn	208.010000	1.628	14886.712	ug/L	2183.430
66 Zn	229.262315	0.082	80402.873	ug/L	459.700
76 Se	272.911757	2.990	-205432.373	ug/L	-232317.750
77 Se	185.875098	1.352	33451.369	ug/L	15234.612
78 Se	217.714990	0.356	108215.951	ug/L	18365.731

79 Br	-1863.248807	6.193	21684.161	ug/L	44040.814
72 Ge			1533138.884	ug/L	1659393.482
108 Cd	208.002725	2.158	21495.798	ug/L	0.927
114 Cd	208.958665	1.683	726897.202	ug/L	35.785
109 Ag	53.138383	1.065	127270.997	ug/L	23.333
115 In			1361206.221	ug/L	1392588.651
208 207.977	209.830550	1.995	1672760.677	ug/L	508.015
207 Pb	217.023954	1.716	716489.377	ug/L	207.336
206 Pb	199.925839	0.996	868228.935	ug/L	274.338
169 Tm			922519.480	ug/L	940776.202
106 Pd	215.794073	0.429	27983.008	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
[> Li-1	6	100.473
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
[> Ge-1	72	92.392
Ag	107	
Cd	111	
Sb	121	
Ba	135	
[> In-1	115	97.746
Tl	205	
Pb	208	
[> Tm-1	169	98.059
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
[> Ge	72	92.392
Cd	108	
Cd	114	
Ag	109	
[> In	115	97.746
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	98.059
Pd	106	

SOP No. SAC-MT-0001

BJones

Sample ID: CCV 7

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, April 26, 2006 20:13:31

Method File: c:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\CCV 7.057

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1927007.705	ug/L	2168057.900
6 Li-1			969033.065	ug/L	944171.698
9 Be	99.221550	2.233	26877.555	ug/L	1.667
27 Al	5445.118416	0.100	23389841.073	ug/L	48727.972
44 Ca	5239.858818	1.639	1258717.420	ug/L	17922.675
51 V	101.240470	0.818	952711.872	ug/L	-36803.379
52 Cr	100.476647	0.406	904946.659	ug/L	38566.819
55 Mn	101.902228	0.149	1345399.228	ug/L	2978.840
54 Fe	5119.351705	0.720	3458467.241	ug/L	112445.934
57 Fe	5010.135460	0.293	1381966.068	ug/L	23429.769
59 Co	98.809048	0.623	990673.892	ug/L	76.000
60 Ni	97.404901	1.074	205204.341	ug/L	156.021
65 Cu	97.808448	0.736	187407.329	ug/L	164.278
68 Zn	99.683557	0.449	69725.722	ug/L	1508.130
75 As	99.791530	1.002	187021.155	ug/L	17316.771
82 Se	100.505003	0.771	15895.259	ug/L	426.678
97 Mo	205.320052	1.033	278030.936	ug/L	25.000
72 Ge-1			1468820.207	ug/L	1659393.482
107 Ag	49.898213	0.481	331636.200	ug/L	54.667
111 Cd	99.648755	0.677	140104.179	ug/L	7.768
121 Sb	51.305261	0.757	223510.702	ug/L	67.667
135 Ba	99.666474	1.257	124831.161	ug/L	267.337
115 In-1			1305166.781	ug/L	1392588.651
205 Tl	50.622634	1.051	576845.162	ug/L	56.667
208 Pb	100.910177	0.784	1506982.007	ug/L	989.688
169 Tm-1			881869.148	ug/L	940776.202
50 Cr	103.559092	3.475	19963.836	ug/L	-1111.205
53 Cr	91.967597	5.159	222871.084	ug/L	175510.161
61 Ni	92.341125	4.708	6197.474	ug/L	3653.803
63 Cu	97.290209	0.231	145005.212	ug/L	114.669
67 Zn	95.234058	3.445	7576.509	ug/L	2183.430
66 Zn	99.482451	0.298	33654.932	ug/L	459.700
76 Se	94.804162	48.553	-202572.068	ug/L	-232317.750
77 Se	91.858207	2.087	22657.517	ug/L	15234.612
78 Se	99.543615	1.167	56223.295	ug/L	18365.731

79 Br	136.238894	78.003	40306.556	ug/L	44040.814
72 Ge			1468820.207	ug/L	1659393.482
108 Cd	100.872190	1.129	9998.661	ug/L	0.927
114 Cd	100.737177	0.378	336084.522	ug/L	35.785
109 Ag	49.505594	0.889	113708.465	ug/L	23.333
115 In			1305166.781	ug/L	1392588.651
208 207.977	100.922788	0.917	769443.209	ug/L	508.015
207 Pb	100.226481	1.159	316441.755	ug/L	207.336
206 Pb	101.406843	0.912	421097.043	ug/L	274.338
169 Tm			881869.148	ug/L	940776.202
106 Pd	96.351725	0.998	12496.585	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Inf Std % Recovery

Sc	45	
Li-1	6	102.633
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	88.515
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	93.722
Tl	205	
Pb	208	
Tm-1	169	93.738
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	88.515
Cd	108	
Cd	114	
Ag	109	
In	115	93.722
207.977	208	
Pb	207	
Pb	206	
Tm	169	93.738
Pd	106	

BJones

Sample ID: CCB 7

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, April 26, 2006 20:17:55

Method File: c:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\CCB 7.058

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas.	Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1952479.106		ug/L	2168057.900	
6 Li-1					968753.437		ug/L	944171.698	
9 Be	0.015669	105.652			6.000		ug/L	1.667	
27 Al	-0.046525	507.147			43498.207		ug/L	48727.972	
44 Ca	-0.211780	243.336			16023.659		ug/L	17922.675	
51 V	0.919212	21.514			-23947.245		ug/L	-36803.379	
52 Cr	-0.172827	33.162			33072.728		ug/L	38566.819	
55 Mn	0.044199	33.946			3261.609		ug/L	2978.840	
54 Fe	0.362728	661.181			101088.517		ug/L	112445.934	
57 Fe	-2.214159	65.104			20403.151		ug/L	23429.769	
59 Co	0.019575	3.783			267.004		ug/L	76.000	
60 Ni	-0.001573	229.109			136.549		ug/L	156.021	
65 Cu	0.005319	57.818			157.651		ug/L	164.278	
68 Zn	-0.449293	7.380			1040.395		ug/L	1508.130	
75 As	0.026970	403.222			15577.879		ug/L	17316.771	
82 Se	-0.189787	79.583			352.981		ug/L	426.678	
97 Mo	0.685267	26.122			963.055		ug/L	25.000	
72 Ge-1					1488324.104		ug/L	1659393.482	
107 Ag	0.050334	5.155			387.342		ug/L	54.667	
111 Cd	0.006604	57.916			16.638		ug/L	7.768	
121 Sb	0.197006	5.071			925.382		ug/L	67.667	
135 Ba	0.016316	31.519			272.004		ug/L	267.337	
115 In-1					1310387.840		ug/L	1392588.651	
205 Tl	0.183405	16.010			2132.598		ug/L	56.667	
208 Pb	0.071184	10.369			1980.086		ug/L	989.688	
169 Tm-1					877455.554		ug/L	940776.202	
50 Cr	1.441825	40.883			-701.145		ug/L	-1111.205	
53 Cr	-44.747331	9.401			124119.886		ug/L	175510.161	
61 Ni	-12.629180	26.255			2866.315		ug/L	3653.803	
63 Cu	-0.000553	521.776			102.002		ug/L	114.669	
67 Zn	-0.920014	182.922			1903.247		ug/L	2183.430	
66 Zn	-0.381809	9.468			283.013		ug/L	459.700	
76 Se	30.784004	138.045			-207353.538		ug/L	-232317.750	
77 Se	-32.291747	0.799			10396.322		ug/L	15234.612	
78 Se	-0.992917	47.409			16068.015		ug/L	18365.731	

Report Date/Time: Wednesday, April 26, 2006 20:20:00

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Sample ID: CCB 7

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79 Br	112.581883	53.274	40614.550	ug/L	44040.814
72 Ge			1488324.104	ug/L	1659393.482
108 Cd	0.023806	381.938	3.285	ug/L	0.927
114 Cd	0.014647	4.837	82.709	ug/L	35.785
109 Ag	0.049862	17.554	137.003	ug/L	23.333
115 In			1310387.840	ug/L	1392588.651
208 207.977	0.071308	14.035	1014.392	ug/L	508.015
207 Pb	0.075861	12.038	431.677	ug/L	207.336
206 Pb	0.067400	14.986	534.016	ug/L	274.338
169 Tm			877455.554	ug/L	940776.202
106 Pd	0.012855	34.641	5.667	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
[> Li-1	6	102.604
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
[> Ge-1	72	89.691
Ag	107	
Cd	111	
Sb	121	
Ba	135	
[> In-1	115	94.097
Tl	205	
Pb	208	
[> Tm-1	169	93.269
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
[> Ge	72	89.691
Cd	108	
Cd	114	
Ag	109	
[> In	115	94.097
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	93.269
Pd	106	

BJones

Sample ID: CCV 8

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, April 26, 2006 20:22:16

Method File: c:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\CCV 8.059

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					1965827.970	ug/L	2168057.900	
6 Li-1					966605.498	ug/L	944171.698	
9 Be	97.877672	0.507			26451.594	ug/L	1.667	
27 Al	5328.985445	0.179			23433075.530	ug/L	48727.972	
44 Ca	5199.412728	0.821			1278826.594	ug/L	17922.675	
51 V	101.822161	0.515			981103.702	ug/L	-36803.379	
52 Cr	100.370937	0.364			925435.371	ug/L	38566.819	
55 Mn	101.711053	0.154			1374640.640	ug/L	2978.840	
54 Fe	5088.076384	0.139			3519395.213	ug/L	112445.934	
57 Fe	5069.902624	0.291			1431284.833	ug/L	23429.769	
59 Co	98.607224	0.327			1012073.743	ug/L	76.000	
60 Ni	97.265344	0.395			209768.495	ug/L	156.021	
65 Cu	97.708715	0.265			191654.266	ug/L	164.278	
68 Zn	100.210882	0.561			71746.288	ug/L	1508.130	
75 As	99.840599	0.231			191538.402	ug/L	17316.771	
82 Se	100.012701	0.346			16193.107	ug/L	426.678	
97 Mo	202.545094	0.586			280768.088	ug/L	25.000	
72 Ge-1					1503543.771	ug/L	1659393.482	
107 Ag	50.560626	0.950			333732.768	ug/L	54.667	
111 Cd	101.185275	1.170			141280.489	ug/L	7.768	
121 Sb	51.293860	0.576			221934.702	ug/L	67.667	
135 Ba	101.201851	0.978			125888.525	ug/L	267.337	
115 In-1					1296257.824	ug/L	1392588.651	
205 Tl	49.832397	0.722			573137.408	ug/L	56.667	
208 Pb	100.085033	1.136			1508624.799	ug/L	989.688	
169 Tm-1					890113.926	ug/L	940776.202	
50 Cr	102.457671	2.490			20207.920	ug/L	-1111.205	
53 Cr	90.423849	3.280			227010.782	ug/L	175510.161	
61 Ni	93.059586	5.859			6367.817	ug/L	3653.803	
63 Cu	97.494720	0.652			148743.339	ug/L	114.669	
67 Zn	95.349541	1.491			7763.968	ug/L	2183.430	
66 Zn	99.798359	0.515			34558.706	ug/L	459.700	
76 Se	108.203639	45.665			-206920.003	ug/L	-232317.750	
77 Se	96.878143	2.461			23708.131	ug/L	15234.612	
78 Se	100.031622	0.682			57755.681	ug/L	18365.731	

79 Br	46.184327	130.547	40368.094	ug/L	44040.814
72 Ge			1503543.771	ug/L	1659393.482
108 Cd	101.606461	0.643	10001.799	ug/L	0.927
114 Cd	100.931169	1.615	334418.616	ug/L	35.785
109 Ag	50.363336	1.378	114873.284	ug/L	23.333
115 In			1296257.824	ug/L	1392588.651
208 207.977	100.435829	1.113	772885.692	ug/L	508.015
207 Pb	99.466064	1.339	316969.481	ug/L	207.336
206 Pb	99.911584	1.065	418769.625	ug/L	274.338
169 Tm			890113.926	ug/L	940776.202
106 Pd	98.666309	0.854	12796.684	ug/L	4.000

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
Li-1	6	102.376
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	90.608
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	93.083
Tl	205	
Pb	208	
Tm-1	169	94.615
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	90.608
Cd	108	
Cd	114	
Ag	109	
In	115	93.083
207.977	208	
Pb	207	
Pb	206	
Tm	169	94.615
Pd	106	

SOP No. SAC-MT-0001

BJones

Sample ID: CCB 8

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, April 26, 2006 20:26:37

Method File: c:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\CCB 8.060

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			1998074.323	ug/L	2168057.900
6 Li-1			966605.869	ug/L	944171.698
9 Be	0.017119	44.825	6.333	ug/L	1.667
27 Al	-0.041777	267.013	44523.324	ug/L	48727.972
44 Ca	-0.311671	430.673	16367.296	ug/L	17922.675
51 V	1.220479	9.323	-21454.489	ug/L	-36803.379
52 Cr	-0.189409	15.853	33684.714	ug/L	38566.819
55 Mn	0.046920	37.496	3374.987	ug/L	2978.840
54 Fe	-0.997737	86.120	102495.453	ug/L	112445.934
57 Fe	-2.006406	32.942	20933.726	ug/L	23429.769
59 Co	0.020872	4.745	286.671	ug/L	76.000
60 Ni	0.002132	294.817	147.860	ug/L	156.021
65 Cu	-0.000128	3830.451	150.492	ug/L	164.278
68 Zn	-0.428420	8.258	1079.067	ug/L	1508.130
75 As	-0.011842	1222.976	15867.209	ug/L	17316.771
82 Se	-0.048660	310.883	383.684	ug/L	426.678
97 Mo	0.612419	27.558	881.713	ug/L	25.000
72 Ge-1			1522590.053	ug/L	1659393.482
107 Ag	0.044695	7.465	353.340	ug/L	54.667
111 Cd	0.017593	40.422	32.486	ug/L	7.768
121 Sb	0.125440	8.015	618.689	ug/L	67.667
135 Ba	0.010334	45.944	267.337	ug/L	267.337
115 In-1			1324328.466	ug/L	1392588.651
205 Tl	0.200658	17.899	2373.662	ug/L	56.667
208 Pb	0.068507	10.065	1979.753	ug/L	989.688
169 Tm-1			895090.893	ug/L	940776.202
50 Cr	1.052447	17.908	-798.786	ug/L	-1111.205
53 Cr	-44.888137	10.847	126854.951	ug/L	175510.161
61 Ni	-10.707170	8.973	2996.436	ug/L	3653.803
63 Cu	0.006761	50.527	115.669	ug/L	114.669
67 Zn	-1.186168	112.103	1930.263	ug/L	2183.430
66 Zn	-0.379602	12.659	290.347	ug/L	459.700
76 Se	-7.428153	384.303	-213416.066	ug/L	-232317.750
77 Se	-31.793009	2.332	10687.567	ug/L	15234.612
78 Se	-1.072390	37.846	16405.858	ug/L	18365.731

79 Br	59.341946	140.090	41008.167	ug/L	44040.814
72 Ge			1522590.053	ug/L	1659393.482
108 Cd	0.067094	39.120	7.630	ug/L	0.927
114 Cd	0.016523	10.659	89.956	ug/L	35.785
109 Ag	0.041987	20.569	120.002	ug/L	23.333
115 In			1324328.466	ug/L	1392588.651
208 207.977	0.069412	11.644	1020.393	ug/L	508.015
207 Pb	0.071517	15.758	426.344	ug/L	207.336
206 Pb	0.064559	4.980	533.016	ug/L	274.338
169 Tm			895090.893	ug/L	940776.202
106 Pd	0.043705	71.320	9.667	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
[> Li-1	6	102.376
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
[> Ge-1	72	91.756
Ag	107	
Cd	111	
Sb	121	
Ba	135	
[> In-1	115	95.098
Tl	205	
Pb	208	
[> Tm-1	169	95.144
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
[> Ge	72	91.756
Cd	108	
Cd	114	
Ag	109	
[> In	115	95.098
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	95.144
Pd	106	

SOP No. SAC-MT-0001

BJones

Sample ID: H3KFG

Sample Description: G6D190170-2

Batch ID: 6116334

Sample Date/Time: Wednesday, April 26, 2006 20:39:43

Method File: c:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\H3KFG.063

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 49

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc			2110748.921	ug/L	2168057.900	
6 Li-1			956278.101	ug/L	944171.698	
9 Be	0.004877	151.235	3.000	ug/L	1.667	
27 Al	96.407301	1.362	512918.971	ug/L	48727.972	
44 Ca	368.377171	1.475	116006.619	ug/L	17922.675	
51 V	2.758772	4.244	-6428.574	ug/L	-36803.379	
52 Cr	0.180834	56.867	40113.086	ug/L	38566.819	
55 Mn	4.911813	0.035	75686.949	ug/L	2978.840	
54 Fe	100.219685	1.283	185719.434	ug/L	112445.934	
57 Fe	111.276379	1.356	57271.349	ug/L	23429.769	
59 Co	0.392908	1.426	4501.491	ug/L	76.000	
60 Ni	0.476436	3.527	1282.461	ug/L	156.021	
65 Cu	41.146196	0.337	88682.723	ug/L	164.278	
68 Zn	4.096015	2.771	4657.573	ug/L	1508.130	
75 As	0.197594	32.321	17604.233	ug/L	17316.771	
82 Se	0.023629	556.841	428.339	ug/L	426.678	
97 Mo	0.221403	4.591	361.674	ug/L	25.000	
72 Ge-1			1650391.076	ug/L	1659393.482	
107 Ag	0.020958	7.667	206.336	ug/L	54.667	
111 Cd	0.036209	23.800	63.023	ug/L	7.768	
121 Sb	0.072023	1.840	408.343	ug/L	67.667	
135 Ba	1.903883	3.107	2848.464	ug/L	267.337	
115 In-1			1413334.879	ug/L	1392588.651	
205 Tl	0.036698	4.716	512.348	ug/L	56.667	
208 Pb	1.025788	1.164	17655.981	ug/L	989.688	
169 Tm-1			958921.582	ug/L	940776.202	
50 Cr	4.490218	6.199	-84.308	ug/L	-1111.205	
53 Cr	-126.903359	4.736	69809.416	ug/L	175510.161	
61 Ni	-9.422644	17.799	3294.403	ug/L	3653.803	
63 Cu	41.073326	0.221	68851.606	ug/L	114.669	
67 Zn	-10.977363	12.038	1439.999	ug/L	2183.430	
66 Zn	4.353323	0.759	2092.033	ug/L	459.700	
76 Se	-12.733829	165.356	-231524.252	ug/L	-232317.750	
77 Se	-85.808357	2.229	5521.887	ug/L	15234.612	
78 Se	-0.984027	49.052	17822.318	ug/L	18365.731	

79 Br	-1973.889193	4.900	22122.579	ug/L	44040.814
72 Ge			1650391.076	ug/L	1659393.482
108 Cd	0.160409	18.547	18.164	ug/L	0.927
114 Cd	0.029424	14.446	142.603	ug/L	35.785
109 Ag	0.017296	28.431	66.667	ug/L	23.333
115 In			1413334.879	ug/L	1392588.651
208 207.977	1.067200	1.252	9359.670	ug/L	508.015
207 Pb	1.054110	0.956	3828.171	ug/L	207.336
206 Pb	0.928223	2.120	4468.141	ug/L	274.338
169 Tm			958921.582	ug/L	940776.202
106 Pd	0.424201	13.727	59.000	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
> Li-1	6	101.282
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
> Ge-1	72	99.457
Ag	107	
Cd	111	
Sb	121	
Ba	135	
> In-1	115	101.490
Tl	205	
Pb	208	
> Tm-1	169	101.929
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
> Ge	72	99.457
Cd	108	
Cd	114	
Ag	109	
> In	115	101.490
207.977	208	
Pb	207	
Pb	206	
> Tm	169	101.929
Pd	106	

SOP No. SAC-MT-0001

BJones

Sample ID: H3KFH

Sample Description: G6D190170-3

Batch ID: 6116334

Sample Date/Time: Wednesday, April 26, 2006 20:44:00

Method File: c:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\H3KFH.064

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 50

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					2113308.794	ug/L	2168057.900	
6 Li-1					943052.627	ug/L	944171.698	
9 Be	0.012703	131.407			5.000	ug/L	1.667	
27 Al	95.603856	1.769			522232.625	ug/L	48727.972	
44 Ca	399.081364	1.061			127417.701	ug/L	17922.675	
51 V	2.561837	3.332			-8814.288	ug/L	-36803.379	
52 Cr	0.432671	24.320			43675.103	ug/L	38566.819	
55 Mn	4.529569	1.593			71841.069	ug/L	2978.840	
54 Fe	134.517637	1.564			216482.177	ug/L	112445.934	
57 Fe	132.556933	2.358			65425.769	ug/L	23429.769	
59 Co	0.225557	0.533			2684.412	ug/L	76.000	
60 Ni	0.481092	4.097			1326.701	ug/L	156.021	
65 Cu	43.503190	0.854			96186.182	ug/L	164.278	
68 Zn	4.453299	2.686			5060.797	ug/L	1508.130	
75 As	0.195594	35.076			18058.308	ug/L	17316.771	
82 Se	0.027282	276.371			440.185	ug/L	426.678	
97 Mo	0.297977	3.494			490.680	ug/L	25.000	
72 Ge-1					1693225.485	ug/L	1659393.482	
107 Ag	0.027648	6.526			256.004	ug/L	54.667	
111 Cd	0.027159	38.564			49.453	ug/L	7.768	
121 Sb	0.072369	4.633			412.676	ug/L	67.667	
135 Ba	2.137291	2.675			3183.913	ug/L	267.337	
115 In-1					1422235.467	ug/L	1392588.651	
205 Tl	0.034031	5.869			483.013	ug/L	56.667	
208 Pb	1.036895	1.537			17973.799	ug/L	989.688	
169 Tm-1					966306.560	ug/L	940776.202	
50 Cr	4.858798	6.240			-0.638	ug/L	-1111.205	
53 Cr	-130.825124	3.072			68326.825	ug/L	175510.161	
61 Ni	-13.481159	12.524			3229.335	ug/L	3653.803	
63 Cu	43.678681	1.162			75111.740	ug/L	114.669	
67 Zn	-12.810001	7.402			1352.626	ug/L	2183.430	
66 Zn	4.886358	1.933			2351.551	ug/L	459.700	
76 Se	-6.850498	344.514			-237312.102	ug/L	-232317.750	
77 Se	-84.572547	2.455			5808.351	ug/L	15234.612	
78 Se	-0.007892	1137.694			18736.543	ug/L	18365.731	

	79 Br	-2119.844136	1.925	21058.061	ug/L	44040.814
>	72 Ge			1693225.485	ug/L	1659393.482
	108 Cd	0.124634	86.624	14.436	ug/L	0.927
	114 Cd	0.021026	1.426	112.973	ug/L	35.785
	109 Ag	0.029403	15.172	97.335	ug/L	23.333
>	115 In			1422235.467	ug/L	1392588.651
	208 207.977	1.058247	0.453	9357.334	ug/L	508.015
	207 Pb	1.098252	3.532	4009.919	ug/L	207.336
	206 Pb	0.951046	2.143	4606.546	ug/L	274.338
>	169 Tm			966306.560	ug/L	940776.202
	106 Pd	0.437055	29.861	60.667	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
> Li-1	6	99.881
	Be	9
	Al	27
	Ca	44
	V	51
	Cr	52
	Mn	55
	Fe	54
	Fe	57
	Co	59
	Ni	60
	Cu	65
	Zn	68
	As	75
	Se	82
	Mo	97
> Ge-1	72	102.039
	Ag	107
	Cd	111
	Sb	121
	Ba	135
> In-1	115	102.129
	Tl	205
	Pb	208
> Tm-1	169	102.714
	Cr	50
	Cr	53
	Ni	61
	Cu	63
	Zn	67
	Zn	66
	Se	76
	Se	77
	Se	78
	Br	79
> Ge	72	102.039
	Cd	108
	Cd	114
	Ag	109
> In	115	102.129
	207.977	208
	Pb	207
	Pb	206
> Tm	169	102.714
	Pd	106

SOP No. SAC-MT-0001

BJones

Sample ID: H3KFJ

Sample Description: G6D190170-4

Batch ID: 6116334

Sample Date/Time: Wednesday, April 26, 2006 20:48:19

Method File: c:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\H3KFJ.065

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 51

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					2188952.357	ug/L	2168057.900	
6 Li-1					954282.890	ug/L	944171.698	
9 Be	0.003663	212.170			2.667	ug/L	1.667	
27 Al	111.779764	0.638			612661.767	ug/L	48727.972	
44 Ca	416.667108	1.946			134510.387	ug/L	17922.675	
51 V	2.789446	7.562			-6378.745	ug/L	-36803.379	
52 Cr	0.285968	28.919			42937.099	ug/L	38566.819	
55 Mn	5.310021	1.064			85149.675	ug/L	2978.840	
54 Fe	155.067775	1.913			236048.260	ug/L	112445.934	
57 Fe	148.219988	1.607			71546.389	ug/L	23429.769	
59 Co	0.418744	0.932			5002.763	ug/L	76.000	
60 Ni	0.492457	3.241			1377.991	ug/L	156.021	
65 Cu	50.966832	0.840			114611.436	ug/L	164.278	
68 Zn	4.725333	2.365			5367.313	ug/L	1508.130	
75 As	0.386049	23.300			18756.184	ug/L	17316.771	
82 Se	0.135398	82.233			467.379	ug/L	426.678	
97 Mo	0.274371	4.524			461.679	ug/L	25.000	
72 Ge-1					1722576.010	ug/L	1659393.482	
107 Ag	0.032436	6.883			297.338	ug/L	54.667	
111 Cd	0.029140	25.087			53.767	ug/L	7.768	
121 Sb	0.090536	10.527			509.682	ug/L	67.667	
135 Ba	3.816153	1.077			5594.121	ug/L	267.337	
115 In-1					1454276.198	ug/L	1392588.651	
205 Tl	0.029979	5.651			441.011	ug/L	56.667	
208 Pb	1.066465	1.765			18820.527	ug/L	989.688	
169 Tm-1					985413.281	ug/L	940776.202	
50 Cr	5.156026	9.315			70.095	ug/L	-1111.205	
53 Cr	-132.823534	2.813			67774.391	ug/L	175510.161	
61 Ni	-11.440305	20.621			3361.808	ug/L	3653.803	
63 Cu	50.677000	0.867			88633.733	ug/L	114.669	
67 Zn	-13.393894	3.899			1335.285	ug/L	2183.430	
66 Zn	5.125545	3.564			2485.989	ug/L	459.700	
76 Se	6.206935	475.118			-240934.536	ug/L	-232317.750	
77 Se	-84.478573	3.592			5918.403	ug/L	15234.612	
78 Se	0.172343	41.131			19146.354	ug/L	18365.731	

79 Br	-2147.795380	1.801	21100.796	ug/L	44040.814
72 Ge			1722576.010	ug/L	1659393.482
108 Cd	0.156679	83.427	18.287	ug/L	0.927
114 Cd	0.019827	11.755	111.053	ug/L	35.785
109 Ag	0.032414	5.266	107.335	ug/L	23.333
115 In			1454276.198	ug/L	1392588.651
208 Tm	1.095708	1.871	9859.886	ug/L	508.015
207 Pb	1.112987	1.500	4141.313	ug/L	207.336
206 Pb	0.977405	3.636	4819.328	ug/L	274.338
169 Tm			985413.281	ug/L	940776.202
106 Pd	0.485903	4.762	67.000	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	101.071
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	103.808
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	104.430
Tl	205	
Pb	208	
Tm-1	169	104.745
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	103.808
Cd	108	
Cd	114	
Ag	109	
In	115	104.430
207.977	208	
Pb	207	
Pb	206	
Tm	169	104.745
Pd	106	

SOP No. SAC-MT-0001

BJones

Sample ID: H3KFL

Sample Description: G6D190170-5

Batch ID: 6116334

Sample Date/Time: Wednesday, April 26, 2006 20:52:37

Method File: c:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\H3KFL.066

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 52

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			2191867.395	ug/L	2168057.900
6 Li-1			948535.840	ug/L	944171.698
9 Be	0.006194	184.785	3.333	ug/L	1.667
27 Al	97.696048	2.343	540828.202	ug/L	48727.972
44 Ca	423.657761	0.387	136215.077	ug/L	17922.675
51 V	2.690204	3.576	-7484.426	ug/L	-36803.379
52 Cr	0.338563	18.748	43396.028	ug/L	38566.819
55 Mn	4.719912	0.324	75891.364	ug/L	2978.840
54 Fe	147.729645	0.956	229982.002	ug/L	112445.934
57 Fe	131.049407	0.587	65957.075	ug/L	23429.769
59 Co	0.204689	3.015	2481.019	ug/L	76.000
60 Ni	0.531827	3.567	1472.449	ug/L	156.021
65 Cu	24.855683	0.474	55879.565	ug/L	164.278
68 Zn	3.038383	1.159	4002.915	ug/L	1508.130
75 As	0.517300	31.780	18984.561	ug/L	17316.771
82 Se	0.619233	23.643	554.029	ug/L	426.678
97 Mo	0.242770	9.527	410.676	ug/L	25.000
72 Ge-1			1719388.480	ug/L	1659393.482
107 Ag	0.022807	13.820	225.336	ug/L	54.667
111 Cd	0.029872	2.468	54.711	ug/L	7.768
121 Sb	0.111928	5.773	611.355	ug/L	67.667
135 Ba	1.780974	3.682	2748.765	ug/L	267.337
115 In-1			1448854.293	ug/L	1392588.651
205 Tl	0.025742	4.288	386.675	ug/L	56.667
208 Pb	1.079162	1.486	19015.351	ug/L	989.688
169 Tm-1			984431.918	ug/L	940776.202
50 Cr	5.044070	3.937	43.012	ug/L	-1111.205
53 Cr	-131.825750	2.939	68526.043	ug/L	175510.161
61 Ni	-10.685958	29.809	3384.500	ug/L	3653.803
63 Cu	25.000574	1.489	43707.245	ug/L	114.669
67 Zn	-14.538922	8.470	1253.586	ug/L	2183.430
66 Zn	3.439327	2.696	1821.864	ug/L	459.700
76 Se	63.084925	72.589	-238330.971	ug/L	-232317.750
77 Se	-83.798085	2.025	5989.102	ug/L	15234.612
78 Se	0.831671	36.186	19420.535	ug/L	18365.731

79 Br	-2144.060543	0.639	21107.140	ug/L	44040.814
72 Ge			1719388.480	ug/L	1659393.482
108 Cd	0.157513	28.299	18.324	ug/L	0.927
114 Cd	0.027311	13.435	138.329	ug/L	35.785
109 Ag	0.023955	5.382	85.334	ug/L	23.333
115 In			1448854.293	ug/L	1392588.651
208 207.977	1.106453	2.131	9942.647	ug/L	508.015
207 Pb	1.110058	0.880	4126.973	ug/L	207.336
206 Pb	1.005566	0.795	4945.731	ug/L	274.338
169 Tm			984431.918	ug/L	940776.202
106 Pd	0.447339	1.724	62.000	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	100.462
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	103.615
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	104.040
Tl	205	
Pb	208	
Tm-1	169	104.640
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	103.615
Cd	108	
Cd	114	
Ag	109	
In	115	104.040
207.977	208	
Pb	207	
Pb	206	
Tm	169	104.640
Pd	106	

SOP No. SAC-MT-0001

BJones

Sample ID: H3KFM**Sample Description:** G6D190170-6**Batch ID:** 6116334**Sample Date/Time:** Wednesday, April 26, 2006 20:56:56**Method File:** c:\elandata\Method\6116313.mth**Dataset File:** C:\elandata\Dataset\060426B1\H3KFM.067**Tuning File:** c:\elandata\Tuning\default.tun**Optimization File:** c:\elandata\Optimize\default.dac**Autosampler Position:** 53**Number of Replicates:** 3**Dual Detector Mode:** Dual**Initial Sample Quantity (mg):****Sample Prep Volume (mL):****Aliquot Volume (mL):****Diluted To Volume (mL):**

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas.	Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					2230969.113		ug/L	2168057.900	
6 Li-1					944491.434		ug/L	944171.698	
9 Be	0.010102	57.197			4.333		ug/L	1.667	
27 Al	107.587460	1.025			605703.344		ug/L	48727.972	
44 Ca	382.087776	1.080			127881.383		ug/L	17922.675	
51 V	2.610653	1.464			-8608.085		ug/L	-36803.379	
52 Cr	0.448107	21.721			45653.152		ug/L	38566.819	
55 Mn	4.772454	0.539			78679.167		ug/L	2978.840	
54 Fe	131.332043	2.488			222986.103		ug/L	112445.934	
57 Fe	121.507894	1.360			64542.816		ug/L	23429.769	
59 Co	0.422722	3.818			5170.195		ug/L	76.000	
60 Ni	0.453696	5.218			1312.977		ug/L	156.021	
65 Cu	29.594120	0.377			68214.898		ug/L	164.278	
68 Zn	2.601465	0.475			3746.135		ug/L	1508.130	
75 As	0.502924	77.361			19444.981		ug/L	17316.771	
82 Se	0.238107	65.542			497.779		ug/L	426.678	
97 Mo	0.253221	9.009			438.344		ug/L	25.000	
72 Ge-1					1763737.755		ug/L	1659393.482	
107 Ag	0.024046	11.173			238.337		ug/L	54.667	
111 Cd	0.023956	36.612			46.205		ug/L	7.768	
121 Sb	0.057198	2.417			353.007		ug/L	67.667	
135 Ba	1.838464	3.112			2878.807		ug/L	267.337	
115 In-1					1474292.924		ug/L	1392588.651	
205 Tl	0.023984	8.136			366.008		ug/L	56.667	
208 Pb	0.940850	2.053			16792.278		ug/L	989.688	
169 Tm-1					989285.628		ug/L	940776.202	
50 Cr	5.083429	5.960			53.752		ug/L	-1111.205	
53 Cr	-132.729828	3.172			69485.590		ug/L	175510.161	
61 Ni	-12.483077	11.849			3402.184		ug/L	3653.803	
63 Cu	29.794533	1.085			53407.212		ug/L	114.669	
67 Zn	-15.521384	8.303			1215.570		ug/L	2183.430	
66 Zn	2.943805	4.419			1669.780		ug/L	459.700	
76 Se	26.682266	222.123			-245902.298		ug/L	-232317.750	
77 Se	-83.702841	4.378			6153.852		ug/L	15234.612	
78 Se	0.605296	16.389			19812.330		ug/L	18365.731	

79 Br	-2201.180297	1.584	20979.928	ug/L	44040.814
72 Ge			1763737.755	ug/L	1659393.482
108 Cd	0.162866	45.558	19.201	ug/L	0.927
114 Cd	0.016154	20.842	98.796	ug/L	35.785
109 Ag	0.021436	10.920	80.334	ug/L	23.333
115 In			1474292.924	ug/L	1392588.651
208 207.977	0.970132	2.514	8826.117	ug/L	508.015
207 Pb	0.961510	0.745	3621.416	ug/L	207.336
206 Pb	0.871380	2.817	4344.745	ug/L	274.338
169 Tm			989285.628	ug/L	940776.202
106 Pd	0.457623	3.892	63.334	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	100.034
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	106.288
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	105.867
Tl	205	
Pb	208	
Tm-1	169	105.156
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	106.288
Cd	108	
Cd	114	
Ag	109	
In	115	105.867
207.977	208	
Pb	207	
Pb	206	
Tm	169	105.156
Pd	106	

SOP No. SAC-MT-0001

BJones

Sample ID: CCV 9

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, April 26, 2006 21:01:16

Method File: c:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\CCV 9.068

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc				2123742.620	ug/L	2168057.900
6 Li-1				972501.182	ug/L	944171.698
9 Be	97.467771	0.383		26500.738	ug/L	1.667
27 Al	5081.681129	0.534	24205986.256		ug/L	48727.972
44 Ca	5117.109800	0.307	1363440.320		ug/L	17922.675
51 V	98.397553	0.849	1025722.059		ug/L	-36803.379
52 Cr	98.127903	0.517	980827.096		ug/L	38566.819
55 Mn	99.561771	0.678	1457580.882		ug/L	2978.840
54 Fe	5029.285328	0.109	3769138.440		ug/L	112445.934
57 Fe	5047.005140	0.921	1543454.119		ug/L	23429.769
59 Co	98.020092	0.894	1089750.961		ug/L	76.000
60 Ni	97.822930	1.292	228529.017		ug/L	156.021
65 Cu	98.415283	0.848	209098.126		ug/L	164.278
68 Zn	99.799285	0.668	77397.891		ug/L	1508.130
75 As	99.535366	0.514	206865.594		ug/L	17316.771
82 Se	98.596472	0.823	17297.620		ug/L	426.678
97 Mo	197.563161	0.273	296617.929		ug/L	25.000
72 Ge-1			1628496.531		ug/L	1659393.482
107 Ag	50.529424	2.024	351805.121		ug/L	54.667
111 Cd	101.165242	1.690	148981.183		ug/L	7.768
121 Sb	51.085726	2.063	233130.332		ug/L	67.667
135 Ba	102.092954	1.260	133954.831		ug/L	267.337
115 In-1			1367230.413		ug/L	1392588.651
205 Tl	49.641916	1.688	604151.716		ug/L	56.667
208 Pb	99.773403	1.986	1591425.254		ug/L	989.688
169 Tm-1			941833.696		ug/L	940776.202
50 Cr	99.794894	2.312	21291.163		ug/L	-1111.205
53 Cr	76.812471	3.016	234806.981		ug/L	175510.161
61 Ni	89.963176	2.573	6787.365		ug/L	3653.803
63 Cu	98.046559	1.194	162035.588		ug/L	114.669
67 Zn	91.296999	0.382	8142.596		ug/L	2183.430
66 Zn	98.670951	0.260	37014.300		ug/L	459.700
76 Se	97.184980	3.687	-224507.200		ug/L	-232317.750
77 Se	94.824221	7.099	25458.267		ug/L	15234.612
78 Se	99.380664	0.731	62269.587		ug/L	18365.731

79 Br	-161.440600	18.182	41475.052	ug/L	44040.814
72 Ge			1628496.531	ug/L	1659393.482
108 Cd	102.431932	0.994	10634.796	ug/L	0.927
114 Cd	100.999080	1.461	352960.362	ug/L	35.785
109 Ag	50.317742	1.826	121056.690	ug/L	23.333
115 In			1367230.413	ug/L	1392588.651
208 207.977	99.860698	2.337	813173.206	ug/L	508.015
207 Pb	98.914605	2.306	333557.650	ug/L	207.336
206 Pb	100.266081	1.636	444694.398	ug/L	274.338
169 Tm			941833.696	ug/L	940776.202
106 Pd	103.367833	2.109	13406.265	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
[> Li-1	6	103.000
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
[> Ge-1	72	98.138
Ag	107	
Cd	111	
Sb	121	
Ba	135	
[> In-1	115	98.179
Tl	205	
Pb	208	
[> Tm-1	169	100.112
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
[> Ge	72	98.138
Cd	108	
Cd	114	
Ag	109	
[> In	115	98.179
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	100.112
Pd	106	

SOP No. SAC-MT-0001

BJones

Sample ID: CCB 9

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, April 26, 2006 21:05:36

Method File: c:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\CCB 9.069

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					2116491.881	ug/L	2168057.900	
6 Li-1					967175.133	ug/L	944171.698	
9 Be	0.042873	89.757			13.333	ug/L	1.667	
27 Al	0.946751	118.220			52389.188	ug/L	48727.972	
44 Ca	-0.385988	136.354			17506.163	ug/L	17922.675	
51 V	1.384068	21.840			-21213.695	ug/L	-36803.379	
52 Cr	-0.327278	20.101			34741.521	ug/L	38566.819	
55 Mn	0.074939	6.421			4022.591	ug/L	2978.840	
54 Fe	-1.626319	76.100			109286.567	ug/L	112445.934	
57 Fe	-3.569335	13.376			21941.481	ug/L	23429.769	
59 Co	0.043521	33.919			559.352	ug/L	76.000	
60 Ni	0.023450	27.627			208.101	ug/L	156.021	
65 Cu	0.020891	125.184			205.916	ug/L	164.278	
68 Zn	-0.545272	5.263			1066.398	ug/L	1508.130	
75 As	0.489219	55.601			17946.965	ug/L	17316.771	
82 Se	0.069939	194.380			431.129	ug/L	426.678	
97 Mo X	1.366795	61.129			2081.975	ug/L	25.000	
72 Ge-1					1630208.645	ug/L	1659393.482	
107 Ag	0.071731	27.129			559.685	ug/L	54.667	
111 Cd	0.043803	62.223			72.947	ug/L	7.768	
121 Sb	0.120819	34.680			625.024	ug/L	67.667	
135 Ba	0.037560	53.052			315.672	ug/L	267.337	
115 In-1					1385462.569	ug/L	1392588.651	
205 Tl	0.465715	43.560			5687.412	ug/L	56.667	
208 Pb	0.085834	14.437			2343.121	ug/L	989.688	
169 Tm-1					935412.922	ug/L	940776.202	
50 Cr	1.393374	4.049			-778.828	ug/L	-1111.205	
53 Cr	-60.529700	2.218			123087.795	ug/L	175510.161	
61 Ni	-16.340588	14.020			3007.447	ug/L	3653.803	
63 Cu	0.030430	48.746			163.004	ug/L	114.669	
67 Zn	-5.910950	5.301			1756.160	ug/L	2183.430	
66 Zn	-0.396120	2.562			304.682	ug/L	459.700	
76 Se	9.278598	329.079			-227900.860	ug/L	-232317.750	
77 Se	-31.958787	2.250			11424.552	ug/L	15234.612	
78 Se	0.221480	342.215			18141.192	ug/L	18365.731	

	79 Br	-192.566475	12.448	41177.044	ug/L	44040.814
>	72 Ge			1630208.645	ug/L	1659393.482
	108 Cd	0.083942	148.862	9.680	ug/L	0.927
	114 Cd	0.039713	48.730	175.875	ug/L	35.785
	109 Ag	0.067590	41.839	187.673	ug/L	23.333
>	115 In			1385462.569	ug/L	1392588.651
	208 207.977	0.087378	11.857	1211.417	ug/L	508.015
	207 Pb	0.088784	13.974	503.348	ug/L	207.336
	206 Pb	0.080756	22.309	628.356	ug/L	274.338
>	169 Tm			935412.922	ug/L	940776.202
	106 Pd	0.064273	104.843	12.333	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
> Li-1	6	102.436
	Be	9
	Al	27
	Ca	44
	V	51
	Cr	52
	Mn	55
	Fe	54
	Fe	57
	Co	59
	Ni	60
	Cu	65
	Zn	68
	As	75
	Se	82
	Mo	97
> Ge-1	72	98.241
	Ag	107
	Cd	111
	Sb	121
	Ba	135
> In-1	115	99.488
	Tl	205
	Pb	208
> Tm-1	169	99.430
	Cr	50
	Cr	53
	Ni	61
	Cu	63
	Zn	67
	Zn	66
	Se	76
	Se	77
	Se	78
	Br	79
> Ge	72	98.241
	Cd	108
	Cd	114
	Ag	109
> In	115	99.488
	207.977	208
	Pb	207
	Pb	206
> Tm	169	99.430
	Pd	106

SOP No. SAC-MT-0001

BJones

Sample ID: CCV 10

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, April 26, 2006 21:09:57

Method File: c:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\CCV 10.070

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 4

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			2051442.974	ug/L	2168057.900
6 Li-1			950333.788	ug/L	944171.698
9 Be	100.986159	1.384	26828.737	ug/L	1.667
27 Al	5171.112803	0.165	24061112.901	ug/L	48727.972
44 Ca	5150.325350	1.106	1340485.270	ug/L	17922.675
51 V	99.396444	0.704	1012472.788	ug/L	-36803.379
52 Cr	98.733386	0.707	963820.105	ug/L	38566.819
55 Mn	100.597616	0.653	1438612.830	ug/L	2978.840
54 Fe	5070.986700	0.711	3711692.793	ug/L	112445.934
57 Fe	5062.959962	0.853	1512358.753	ug/L	23429.769
59 Co	98.609793	0.983	1070913.221	ug/L	76.000
60 Ni	98.705532	1.290	225242.638	ug/L	156.021
65 Cu	99.014817	0.970	205494.487	ug/L	164.278
68 Zn	100.444862	1.351	76087.095	ug/L	1508.130
75 As	100.459126	0.644	203815.462	ug/L	17316.771
82 Se	100.859755	0.666	17275.815	ug/L	426.678
97 Mo	199.593237	0.419	292738.751	ug/L	25.000
72 Ge-1			1590877.364	ug/L	1659393.482
107 Ag	50.330624	1.715	346282.120	ug/L	54.667
111 Cd	100.888817	1.411	146831.724	ug/L	7.768
121 Sb	51.184835	0.765	230847.310	ug/L	67.667
135 Ba	100.074567	0.705	129768.300	ug/L	267.337
115 In-1			1351157.611	ug/L	1392588.651
205 Tl	50.001205	1.015	594391.757	ug/L	56.667
208 Pb	100.446053	1.189	1564931.549	ug/L	989.688
169 Tm-1			920074.372	ug/L	940776.202
50 Cr	101.225118	2.662	21114.693	ug/L	-1111.205
53 Cr	80.196712	3.977	232058.700	ug/L	175510.161
61 Ni	90.195403	1.331	6638.377	ug/L	3653.803
63 Cu	98.491752	0.179	158993.762	ug/L	114.669
67 Zn	93.339825	3.283	8085.785	ug/L	2183.430
66 Zn	100.563417	0.914	36844.972	ug/L	459.700
76 Se	110.662216	33.008	-218844.939	ug/L	-232317.750
77 Se	97.308391	5.586	25132.922	ug/L	15234.612
78 Se	100.978389	0.911	61522.285	ug/L	18365.731

79 Br	-86.884222	41.475	41304.475	ug/L	44040.814
72 Ge			1590877.364	ug/L	1659393.482
108 Cd	101.422919	0.424	10407.078	ug/L	0.927
114 Cd	100.753851	1.202	347963.310	ug/L	35.785
109 Ag	50.343806	1.718	119704.146	ug/L	23.333
115 In			1351157.611	ug/L	1392588.651
208 207.977	100.161042	1.095	796675.984	ug/L	508.015
207 Pb	99.842719	0.897	328867.954	ug/L	207.336
206 Pb	101.428049	1.588	439387.612	ug/L	274.338
169 Tm			920074.372	ug/L	940776.202
106 Pd	101.789455	1.182	13201.619	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	100.653
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	95.871
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	97.025
Tl	205	
Pb	208	
Tm-1	169	97.799
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	95.871
Cd	108	
Cd	114	
Ag	109	
In	115	97.025
207.977	208	
Pb	207	
Pb	206	
Tm	169	97.799
Pd	106	

SOP No. SAC-MT-0001

BJones

Sample ID: CCB 10

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, April 26, 2006 21:14:18

Method File: c:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\CCB 10.071

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			2120653.350	ug/L	2168057.900
6 Li-1			973589.066	ug/L	944171.698
9 Be	0.078005	32.733	23.000	ug/L	1.667
27 Al	2.260773	28.236	58653.213	ug/L	48727.972
44 Ca	-0.486435	120.821	17489.128	ug/L	17922.675
51 V	1.405922	30.909	-20973.612	ug/L	-36803.379
52 Cr	-0.285362	17.486	35161.844	ug/L	38566.819
55 Mn	0.101819	1.789	4418.115	ug/L	2978.840
54 Fe	0.620096	432.644	110976.103	ug/L	112445.934
57 Fe	-2.525132	33.162	22267.972	ug/L	23429.769
59 Co	0.072305	15.491	879.711	ug/L	76.000
60 Ni	0.057297	28.645	287.188	ug/L	156.021
65 Cu	0.050258	2.118	268.350	ug/L	164.278
68 Zn	-0.475487	7.298	1120.072	ug/L	1508.130
75 As	0.399674	27.801	17785.977	ug/L	17316.771
82 Se	0.007193	2737.296	420.512	ug/L	426.678
97 Mo X	1.497720	53.479	2272.682	ug/L	25.000
72 Ge-1			1631139.657	ug/L	1659393.482
107 Ag	0.087888	21.476	669.693	ug/L	54.667
111 Cd	0.068949	23.478	109.867	ug/L	7.768
121 Sb	0.141415	17.751	716.030	ug/L	67.667
135 Ba	0.059741	33.344	342.673	ug/L	267.337
115 In-1			1374994.159	ug/L	1392588.651
205 Tl	0.562484	35.174	6848.901	ug/L	56.667
208 Pb	0.123558	6.044	2935.524	ug/L	989.688
169 Tm-1			933743.654	ug/L	940776.202
50 Cr	1.460731	6.562	-764.225	ug/L	-1111.205
53 Cr	-59.506907	3.346	123984.615	ug/L	175510.161
61 Ni	-15.282386	33.480	3046.153	ug/L	3653.803
63 Cu	0.054784	35.301	203.340	ug/L	114.669
67 Zn	-6.184400	1.082	1739.150	ug/L	2183.430
66 Zn	-0.306659	17.902	338.018	ug/L	459.700
76 Se	50.245676	49.460	-226561.703	ug/L	-232317.750
77 Se	-30.750836	6.775	11564.014	ug/L	15234.612
78 Se	0.354549	115.649	18210.534	ug/L	18365.731

79 Br	-177.464737	19.672	41363.659	ug/L	44040.814
72 Ge			1631139.657	ug/L	1659393.482
108 Cd	0.118919	58.104	13.347	ug/L	0.927
114 Cd	0.067168	10.697	271.445	ug/L	35.785
109 Ag	0.085789	16.772	230.675	ug/L	23.333
115 In			1374994.159	ug/L	1392588.651
208 Tm	0.126165	6.171	1522.466	ug/L	508.015
207 Pb	0.124781	7.183	622.689	ug/L	207.336
206 Pb	0.117839	9.035	790.369	ug/L	274.338
169 Tm			933743.654	ug/L	940776.202
106 Pd	0.077127	17.321	14.000	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	103.116
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	98.297
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	98.737
Tl	205	
Pb	208	
Tm-1	169	99.252
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	98.297
Cd	108	
Cd	114	
Ag	109	
In	115	98.737
207.977	208	
Pb	207	
Pb	206	
Tm	169	99.252
Pd	106	

SOP No. SAC-MT-0001

BJones

Sample ID: H3KFP

Sample Description: G6D190170-7

Batch ID: 6116334

Sample Date/Time: Wednesday, April 26, 2006 21:18:38

Method File: c:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\H3KFP.072

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 54

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc			2141239.550	ug/L	2168057.900	
6 Li-1			951780.259	ug/L	944171.698	
9 Be	0.002442	385.017	2.333	ug/L	1.667	
27 Al	96.793028	1.510	527577.822	ug/L	48727.972	
44 Ca	364.055152	0.650	117706.107	ug/L	17922.675	
51 V	2.681305	1.370	-7463.245	ug/L	-36803.379	
52 Cr	0.088889	32.495	40193.438	ug/L	38566.819	
55 Mn	4.455442	1.091	70633.615	ug/L	2978.840	
54 Fe	131.073058	2.588	213621.324	ug/L	112445.934	
57 Fe	116.179240	1.678	60224.296	ug/L	23429.769	
59 Co	0.456424	1.818	5346.300	ug/L	76.000	
60 Ni	0.474155	4.203	1308.533	ug/L	156.021	
65 Cu	47.112624	1.204	104038.352	ug/L	164.278	
68 Zn	2.133147	5.557	3222.260	ug/L	1508.130	
75 As	0.351919	46.626	18344.732	ug/L	17316.771	
82 Se	0.117473	168.135	455.677	ug/L	426.678	
97 Mo	0.444462	13.499	719.030	ug/L	25.000	
72 Ge-1			1691292.453	ug/L	1659393.482	
107 Ag	0.035683	10.229	314.672	ug/L	54.667	
111 Cd	0.027527	28.006	50.262	ug/L	7.768	
121 Sb	0.066601	5.822	386.009	ug/L	67.667	
135 Ba	1.716012	4.093	2615.058	ug/L	267.337	
115 In-1			1424930.059	ug/L	1392588.651	
205 Tl	0.158075	12.406	2058.578	ug/L	56.667	
208 Pb	0.973713	0.658	17160.871	ug/L	989.688	
169 Tm-1			978828.736	ug/L	940776.202	
50 Cr	4.932743	4.104	16.047	ug/L	-1111.205	
53 Cr	-135.232370	1.821	64532.328	ug/L	175510.161	
61 Ni	-13.486881	25.799	3225.666	ug/L	3653.803	
63 Cu	46.876999	1.264	80504.456	ug/L	114.669	
67 Zn	-14.918227	7.510	1207.567	ug/L	2183.430	
66 Zn	2.442384	6.875	1408.651	ug/L	459.700	
76 Se	45.980844	32.985	-235075.716	ug/L	-232317.750	
77 Se	-87.728548	1.805	5439.851	ug/L	15234.612	
78 Se	0.197703	39.203	18809.974	ug/L	18365.731	

79 Br	-2095.013564	0.818	21313.490	ug/L	44040.814
72 Ge			1691292.453	ug/L	1659393.482
108 Cd	0.190994	19.413	21.596	ug/L	0.927
114 Cd	0.024351	10.126	125.349	ug/L	35.785
109 Ag	0.029547	20.670	98.002	ug/L	23.333
115 In			1424930.059	ug/L	1392588.651
208 Tm	1.000163	0.689	8987.614	ug/L	508.015
207 Pb	1.001883	1.360	3724.793	ug/L	207.336
206 Pb	0.903732	0.105	4448.464	ug/L	274.338
169 Tm			978828.736	ug/L	940776.202
106 Pd	0.416488	12.963	58.000	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
> Li-1	6	100.806
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
> Ge-1	72	101.922
Ag	107	
Cd	111	
Sb	121	
Ba	135	
> In-1	115	102.322
Tl	205	
Pb	208	
> Tm-1	169	104.045
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
> Ge	72	101.922
Cd	108	
Cd	114	
Ag	109	
> In	115	102.322
207.977	208	
Pb	207	
Pb	206	
> Tm	169	104.045
Pd	106	

SOP No. SAC-MT-0001

BJones

Sample ID: H3KFQ

Sample Description: G6D190170-8

Batch ID: 6116334

Sample Date/Time: Wednesday, April 26, 2006 21:22:58

Method File: c:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\H3KFQ.073

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 55

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					2139859.095	ug/L	2168057.900	
6 Li-1					934682.404	ug/L	944171.698	
9 Be	0.016597	81.755			6.000	ug/L	1.667	
27 Al	290.328466	1.302			1533359.546	ug/L	48727.972	
44 Ca	620.091112	0.744			194019.918	ug/L	17922.675	
51 V	3.104585	3.500			-2811.829	ug/L	-36803.379	
52 Cr	0.491336	10.321			45714.457	ug/L	38566.819	
55 Mn	12.138031	1.170			193564.773	ug/L	2978.840	
54 Fe	365.469756	0.667			404009.602	ug/L	112445.934	
57 Fe	379.717243	0.959			147519.688	ug/L	23429.769	
59 Co	0.698490	0.349			8417.714	ug/L	76.000	
60 Ni	0.799970	2.685			2169.596	ug/L	156.021	
65 Cu	374.142024	0.198			853056.690	ug/L	164.278	
68 Zn	4.807024	1.929			5516.072	ug/L	1508.130	
75 As	0.462501	18.258			19196.823	ug/L	17316.771	
82 Se	0.171154	74.887			481.062	ug/L	426.678	
97 Mo	0.382271	6.967			642.690	ug/L	25.000	
72 Ge-1					1748739.005	ug/L	1659393.482	
107 Ag	0.189807	4.809			1447.787	ug/L	54.667	
111 Cd	0.037011	44.003			65.441	ug/L	7.768	
121 Sb	0.085495	3.431			480.680	ug/L	67.667	
135 Ba	4.778306	0.819			6864.692	ug/L	267.337	
115 In-1					1439602.327	ug/L	1392588.651	
205 Tl	0.087940	6.016			1158.744	ug/L	56.667	
208 Pb	1.700681	0.945			28896.920	ug/L	989.688	
169 Tm-1					968560.096	ug/L	940776.202	
50 Cr	7.309833	2.732			589.320	ug/L	-1111.205	
53 Cr	-137.606944	1.754			64644.112	ug/L	175510.161	
61 Ni	-16.327508	7.505			3226.665	ug/L	3653.803	
63 Cu	359.305215	0.291			637254.370	ug/L	114.669	
67 Zn	-13.898340	5.551			1320.279	ug/L	2183.430	
66 Zn	5.222018	2.191			2562.384	ug/L	459.700	
76 Se	0.684262	3279.154			-244800.148	ug/L	-232317.750	
77 Se	-86.383773	1.453			5784.005	ug/L	15234.612	
78 Se	-0.092313	164.620			19310.312	ug/L	18365.731	

79 Br	-2158.659070	1.350	21298.133	ug/L	44040.814
72 Ge			1748739.005	ug/L	1659393.482
108 Cd	-0.019828	389.957	-1.211	ug/L	0.927
114 Cd	0.029816	15.348	146.712	ug/L	35.785
109 Ag	0.179744	4.835	479.370	ug/L	23.333
115 In			1439602.327	ug/L	1392588.651
208 Tl	207.977	1.753409	15196.852	ug/L	508.015
207 Pb		1.748713	6273.583	ug/L	207.336
206 Pb		1.567356	7426.485	ug/L	274.338
169 Tm			968560.096	ug/L	940776.202
106 Pd		0.678723	15.373	92.000	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	98.995
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	105.384
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	103.376
Tl	205	
Pb	208	
Tm-1	169	102.953
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	105.384
Cd	108	
Cd	114	
Ag	109	
In	115	103.376
207.977	208	
Pb	207	
Pb	206	
Tm	169	102.953
Pd	106	

SOP No. SAC-MT-0001

BJones

Sample ID: H3KFR

Sample Description: G6D190170-9

Batch ID: 6116334

Sample Date/Time: Wednesday, April 26, 2006 21:27:18

Method File: c:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\H3KFR.074

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 56

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					2148885.661	ug/L	2168057.900	
6 Li-1					923239.509	ug/L	944171.698	
9 Be	0.013037	28.621			5.000	ug/L	1.667	
27 Al	178.166552	2.473			988894.225	ug/L	48727.972	
44 Ca	472.201655	3.185			156684.639	ug/L	17922.675	
51 V	2.660745	6.005			-8199.895	ug/L	-36803.379	
52 Cr	0.254022	34.584			44528.697	ug/L	38566.819	
55 Mn	9.913589	1.892			163302.532	ug/L	2978.840	
54 Fe	173.495091	1.589			261484.508	ug/L	112445.934	
57 Fe	209.031236	1.950			95007.531	ug/L	23429.769	
59 Co	0.418436	3.675			5222.225	ug/L	76.000	
60 Ni	0.647648	2.558			1840.070	ug/L	156.021	
65 Cu	253.934707	1.063			595983.627	ug/L	164.278	
68 Zn	3.229753	4.484			4350.748	ug/L	1508.130	
75 As	0.313260	73.218			19441.746	ug/L	17316.771	
82 Se	0.212728	10.811			503.103	ug/L	426.678	
97 Mo	0.283221	3.177			497.014	ug/L	25.000	
72 Ge-1					1800078.755	ug/L	1659393.482	
107 Ag	0.121514	2.088			957.719	ug/L	54.667	
111 Cd	0.032984	38.135			59.832	ug/L	7.768	
121 Sb	0.051327	9.355			320.006	ug/L	67.667	
135 Ba	3.575699	0.440			5264.250	ug/L	267.337	
115 In-1					1455539.434	ug/L	1392588.651	
205 Tl	0.059741	2.664			819.372	ug/L	56.667	
208 Pb	1.151253	2.021			20220.098	ug/L	989.688	
169 Tm-1					984762.555	ug/L	940776.202	
50 Cr	5.918536	6.176			261.048	ug/L	-1111.205	
53 Cr	-137.371098	1.646			66753.535	ug/L	175510.161	
61 Ni	-15.903138	4.495			3337.782	ug/L	3653.803	
63 Cu	249.117464	1.429			454786.336	ug/L	114.669	
67 Zn	-15.947773	2.499			1210.234	ug/L	2183.430	
66 Zn	3.718739	4.476			2021.320	ug/L	459.700	
76 Se	28.721355	188.959			-250888.434	ug/L	-232317.750	
77 Se	-83.935272	1.346			6253.565	ug/L	15234.612	
78 Se	0.181873	335.068			20009.824	ug/L	18365.731	

79 Br	-2262.512773	1.132	20679.764	ug/L	44040.814	
72 Ge			1800078.755	ug/L	1659393.482	
108 Cd	-0.089089	83.867	-8.880	ug/L	0.927	
114 Cd	0.022981	13.920	122.923	ug/L	35.785	
109 Ag	0.119216	3.464	329.684	ug/L	23.333	
115 In			1455539.434	ug/L	1392588.651	
208 Tm	207.977	1.187067	1.534	10630.787	ug/L	508.015
207 Pb		1.190566	2.621	4411.112	ug/L	207.336
206 Pb		1.055609	2.524	5178.199	ug/L	274.338
169 Tm			984762.555	ug/L	940776.202	
106 Pd		0.498758	16.679	68.667	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
[> Li-1	6	97.783
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
[> Ge-1	72	108.478
Ag	107	
Cd	111	
Sb	121	
Ba	135	
[> In-1	115	104.520
Tl	205	
Pb	208	
[> Tm-1	169	104.676
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
[> Ge	72	108.478
Cd	108	
Cd	114	
Ag	109	
[> In	115	104.520
207.977	208	
Pb	207	
Pb	206	
[> Tm	169	104.676
Pd	106	

SOP No. SAC-MT-0001

BJones

Sample ID: H3KFT

Sample Description: G6D190170-10

Batch ID: 6116334

Sample Date/Time: Wednesday, April 26, 2006 21:31:39

Method File: c:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\H3KFT.075

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 57

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			2209531.856	ug/L	2168057.900
6 Li-1			922905.448	ug/L	944171.698
9 Be	0.013023	77.760	5.000	ug/L	1.667
27 Al	254.626650	1.641	1378501.260	ug/L	48727.972
44 Ca	690.490481	1.291	218229.377	ug/L	17922.675
51 V	3.082079	0.382	-3133.502	ug/L	-36803.379
52 Cr	0.671553	10.356	48535.254	ug/L	38566.819
55 Mn	11.399683	1.026	185664.567	ug/L	2978.840
54 Fe	361.464340	0.912	408992.527	ug/L	112445.934
57 Fe	373.654727	0.867	148508.014	ug/L	23429.769
59 Co	0.471843	0.627	5827.940	ug/L	76.000
60 Ni	0.770028	0.713	2137.075	ug/L	156.021
65 Cu	230.486058	1.711	536213.604	ug/L	164.278
68 Zn	8.233908	0.877	8483.444	ug/L	1508.130
75 As	0.636187	12.098	19948.368	ug/L	17316.771
82 Se	0.156450	1.488	488.095	ug/L	426.678
97 Mo	0.452022	3.394	770.367	ug/L	25.000
72 Ge-1			1784141.104	ug/L	1659393.482
107 Ag	0.123752	7.179	968.054	ug/L	54.667
111 Cd	0.050589	24.212	86.816	ug/L	7.768
121 Sb	0.090880	3.400	509.015	ug/L	67.667
135 Ba	5.108748	1.867	7355.758	ug/L	267.337
115 In-1			1446658.430	ug/L	1392588.651
205 Tl	0.053083	10.864	735.364	ug/L	56.667
208 Pb	2.076578	1.704	35671.594	ug/L	989.688
169 Tm-1			985573.570	ug/L	940776.202
50 Cr	6.906419	11.008	502.140	ug/L	-1111.205
53 Cr	-135.669484	2.210	67674.276	ug/L	175510.161
61 Ni	-15.459625	23.625	3325.771	ug/L	3653.803
63 Cu	227.806425	0.673	412254.708	ug/L	114.669
67 Zn	-11.919364	4.837	1489.355	ug/L	2183.430
66 Zn	8.558907	0.948	3968.852	ug/L	459.700
76 Se	-1.586855	1290.899	-249845.663	ug/L	-232317.750
77 Se	-84.381219	2.737	6143.511	ug/L	15234.612
78 Se	0.827761	18.203	20150.050	ug/L	18365.731

79 Br	-2212.746693	2.115	21086.111	ug/L	44040.814
72 Ge			1784141.104	ug/L	1659393.482
108 Cd	-0.060944	139.305	-5.743	ug/L	0.927
114 Cd	0.034775	7.372	165.716	ug/L	35.785
109 Ag	0.127067	1.854	347.686	ug/L	23.333
115 In			1446658.430	ug/L	1392588.651
208 207.977	2.097937	1.723	18396.320	ug/L	508.015
207 Pb	2.144691	2.088	7779.457	ug/L	207.336
206 Pb	1.985575	1.865	9495.817	ug/L	274.338
169 Tm			985573.570	ug/L	940776.202
106 Pd	0.830408	9.303	111.667	ug/L	4.000

Internal Standard Recoveries

Analyte	Mass	Int Std % Recovery
Sc	45	
> Li-1	6	97.748
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
> Ge-1	72	107.518
Ag	107	
Cd	111	
Sb	121	
Ba	135	
> In-1	115	103.883
Tl	205	
Pb	208	
> Tm-1	169	104.762
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
> Ge	72	107.518
Cd	108	
Cd	114	
Ag	109	
> In	115	103.883
207.977	208	
Pb	207	
Pb	206	
> Tm	169	104.762
Pd	106	

SOP No. SAC-MT-0001

BJones

Sample ID: H3Kfv

Sample Description: G6D190170-11

Batch ID: 6116334

Sample Date/Time: Wednesday, April 26, 2006 21:36:00

Method File: c:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\H3Kfv.076

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 58

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			2242769.991	ug/L	2168057.900
6 Li-1			932306.299	ug/L	944171.698
9 Be	0.014110	39.864	5.333	ug/L	1.667
27 Al	340.822220	1.868	1847153.052	ug/L	48727.972
44 Ca	840.390459	2.017	264248.942	ug/L	17922.675
51 V	3.082402	7.392	-3164.368	ug/L	-36803.379
52 Cr	0.431668	39.029	46501.301	ug/L	38566.819
55 Mn	15.204780	1.916	249230.394	ug/L	2978.840
54 Fe	446.701690	0.912	482128.339	ug/L	112445.934
57 Fe	453.978591	1.714	176913.464	ug/L	23429.769
59 Co	1.824177	2.110	22537.322	ug/L	76.000
60 Ni	0.770543	2.126	2161.494	ug/L	156.021
65 Cu	378.291841	1.715	889495.107	ug/L	164.278
68 Zn	12.730216	2.224	12363.062	ug/L	1508.130
75 As	0.817359	50.036	20542.398	ug/L	17316.771
82 Se	0.298733	82.029	520.046	ug/L	426.678
97 Mo	0.359195	5.027	624.356	ug/L	25.000
72 Ge-1			1803684.451	ug/L	1659393.482
107 Ag	0.206261	2.937	1594.812	ug/L	54.667
111 Cd	0.059647	11.964	102.307	ug/L	7.768
121 Sb	0.115874	1.457	637.357	ug/L	67.667
135 Ba	8.385770	1.750	12039.611	ug/L	267.337
115 In-1			1464207.103	ug/L	1392588.651
205 Tl	0.044356	12.000	625.022	ug/L	56.667
208 Pb	1.772643	1.545	30660.195	ug/L	989.688
169 Tm-1			987392.950	ug/L	940776.202
50 Cr	7.573462	4.554	673.590	ug/L	-1111.205
53 Cr	-136.172008	3.001	67944.826	ug/L	175510.161
61 Ni	-12.768018	5.579	3468.257	ug/L	3653.803
63 Cu	362.525856	1.270	663102.034	ug/L	114.669
67 Zn	-7.608487	13.774	1818.863	ug/L	2183.430
66 Zn	13.382750	0.843	5991.739	ug/L	459.700
76 Se	-8.781585	623.491	-252872.658	ug/L	-232317.750
77 Se	-83.744076	1.812	6287.915	ug/L	15234.612
78 Se	1.083186	95.557	20492.505	ug/L	18365.731

79 Br	-2205.104062	2.658	21404.317	ug/L	44040.814	
72 Ge			1803684.451	ug/L	1659393.482	
108 Cd	-0.309143	43.585	-33.468	ug/L	0.927	
114 Cd	0.049597	3.873	223.272	ug/L	35.785	
109 Ag	0.195800	6.722	528.711	ug/L	23.333	
115 In			1464207.103	ug/L	1392588.651	
208 Tm	207.977	1.821806	1.316	16075.087	ug/L	508.015
207 Pb		1.852433	1.651	6761.945	ug/L	207.336
206 Pb		1.621714	1.943	7823.163	ug/L	274.338
169 Tm			987392.950	ug/L	940776.202	
106 Pd		0.650442	0.685	88.334	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	98.743
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	108.695
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	105.143
Tl	205	
Pb	208	
Tm-1	169	104.955
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	108.695
Cd	108	
Cd	114	
Ag	109	
In	115	105.143
207.977	208	
Pb	207	
Pb	206	
Tm	169	104.955
Pd	106	

SOP No. SAC-MT-0001

BJones

Sample ID: H3KFW

Sample Description: G6D190170-12

Batch ID: 6116334

Sample Date/Time: Wednesday, April 26, 2006 21:40:21

Method File: c:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\H3KFW.077

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 59

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc			2225246.256	ug/L	2168057.900	
6 Li-1			923326.448	ug/L	944171.698	
9 Be	0.018226	12.643	6.333	ug/L	1.667	
27 Al	230.631585	0.701	1266323.110	ug/L	48727.972	
44 Ca	631.102117	2.151	203165.392	ug/L	17922.675	
51 V	2.969409	1.299	-4510.948	ug/L	-36803.379	
52 Cr	0.281093	24.186	44877.473	ug/L	38566.819	
55 Mn	10.296573	0.491	169720.539	ug/L	2978.840	
54 Fe	360.475672	1.002	412363.681	ug/L	112445.934	
57 Fe	369.664893	0.792	148690.371	ug/L	23429.769	
59 Co	0.823676	0.954	10215.627	ug/L	76.000	
60 Ni	0.626438	5.874	1787.851	ug/L	156.021	
65 Cu	151.099092	0.599	355173.141	ug/L	164.278	
68 Zn	5.119809	2.264	5948.355	ug/L	1508.130	
75 As	0.814076	46.601	20526.412	ug/L	17316.771	
82 Se	1.040821	16.058	660.593	ug/L	426.678	
97 Mo	0.291021	1.547	510.682	ug/L	25.000	
72 Ge-1			1802327.384	ug/L	1659393.482	
107 Ag	0.083338	5.435	678.026	ug/L	54.667	
111 Cd	0.057491	14.840	98.665	ug/L	7.768	
121 Sb	0.065267	8.839	389.342	ug/L	67.667	
135 Ba	3.941865	4.332	5799.923	ug/L	267.337	
115 In-1			1462395.325	ug/L	1392588.651	
205 Tl	0.048138	3.275	674.026	ug/L	56.667	
208 Pb	1.567553	0.743	27253.849	ug/L	989.688	
169 Tm-1			988079.028	ug/L	940776.202	
50 Cr	6.346367	3.698	368.374	ug/L	-1111.205	
53 Cr	-135.966175	2.640	68096.320	ug/L	175510.161	
61 Ni	-17.072742	7.388	3296.071	ug/L	3653.803	
63 Cu	150.270068	0.803	274755.296	ug/L	114.669	
67 Zn	-14.223378	4.217	1336.953	ug/L	2183.430	
66 Zn	5.588732	0.600	2791.246	ug/L	459.700	
76 Se	29.779085	146.241	-251148.385	ug/L	-232317.750	
77 Se	-82.754399	1.564	6405.641	ug/L	15234.612	
78 Se	1.794690	33.274	20831.653	ug/L	18365.731	

79 Br	-2209.349933	1.687	21341.875	ug/L	44040.814	
72 Ge			1802327.384	ug/L	1659393.482	
108 Cd	-0.036053	351.875	-2.894	ug/L	0.927	
114 Cd	0.056647	7.172	249.214	ug/L	35.785	
109 Ag	0.079290	9.731	228.675	ug/L	23.333	
115 In			1462395.325	ug/L	1392588.651	
208 Tm	207.977	1.613506	1.210	14309.025	ug/L	508.015
207 Pb		1.607693	0.315	5901.656	ug/L	207.336
206 Pb		1.452664	0.851	7043.167	ug/L	274.338
169 Tm			988079.028	ug/L	940776.202	
106 Pd		0.503899	4.676	69.334	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
> Li-1	6	97.792
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
> Ge-1	72	108.614
Ag	107	
Cd	111	
Sb	121	
Ba	135	
> In-1	115	105.013
Tl	205	
Pb	208	
> Tm-1	169	105.028
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
> Ge	72	108.614
Cd	108	
Cd	114	
Ag	109	
> In	115	105.013
207.977	208	
Pb	207	
Pb	206	
> Tm	169	105.028
Pd	106	

BJones

Sample ID: H3KFX

Sample Description: G6D190170-13

Batch ID: 6116334

Sample Date/Time: Wednesday, April 26, 2006 21:44:42

Method File: c:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\H3KFX.078

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 60

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc			2272040.994	ug/L	2168057.900	
6 Li-1			940581.715	ug/L	944171.698	
9 Be	0.011417	68.345	4.667	ug/L	1.667	
27 Al	243.875828	1.275	1328209.205	ug/L	48727.972	
44 Ca	618.639512	1.641	198381.637	ug/L	17922.675	
51 V	2.999909	5.772	-4119.541	ug/L	-36803.379	
52 Cr	1.175232	6.112	54070.230	ug/L	38566.819	
55 Mn	11.063229	0.271	181058.759	ug/L	2978.840	
54 Fe	355.774797	0.187	406207.741	ug/L	112445.934	
57 Fe	351.402702	0.735	141774.498	ug/L	23429.769	
59 Co	0.419019	1.991	5206.882	ug/L	76.000	
60 Ni	0.761855	0.609	2125.301	ug/L	156.021	
65 Cu	141.224054	0.652	330042.066	ug/L	164.278	
68 Zn	5.781899	2.237	6467.723	ug/L	1508.130	
75 As	0.870269	19.468	20525.338	ug/L	17316.771	
82 Se	0.451138	41.629	545.657	ug/L	426.678	
97 Mo	0.414496	3.385	711.696	ug/L	25.000	
72 Ge-1			1791857.452	ug/L	1659393.482	
107 Ag	0.078049	7.510	641.690	ug/L	54.667	
111 Cd	0.040986	13.137	73.127	ug/L	7.768	
121 Sb	0.073565	11.915	432.344	ug/L	67.667	
135 Ba	4.158252	2.653	6136.485	ug/L	267.337	
115 In-1			1470072.986	ug/L	1392588.651	
205 Tl	0.035326	3.677	520.682	ug/L	56.667	
208 Pb	1.463432	1.413	26024.402	ug/L	989.688	
169 Tm-1			1007887.185	ug/L	940776.202	
50 Cr	7.060383	3.439	542.288	ug/L	-1111.205	
53 Cr	-134.773930	2.036	68769.390	ug/L	175510.161	
61 Ni	-14.973748	5.711	3359.138	ug/L	3653.803	
63 Cu	138.519431	0.345	251807.555	ug/L	114.669	
67 Zn	-13.949593	8.140	1348.958	ug/L	2183.430	
66 Zn	6.028687	1.564	2954.396	ug/L	459.700	
76 Se	29.403393	86.195	-249704.558	ug/L	-232317.750	
77 Se	-84.107565	2.702	6203.541	ug/L	15234.612	
78 Se	1.018570	36.568	20330.422	ug/L	18365.731	

79 Br	-2226.141832	1.978	21017.661	ug/L	44040.814	
72 Ge			1791857.452	ug/L	1659393.482	
108 Cd	-0.013907	154.677	-0.574	ug/L	0.927	
114 Cd	0.030364	11.929	151.946	ug/L	35.785	
109 Ag	0.071426	9.840	209.340	ug/L	23.333	
115 In			1470072.986	ug/L	1392588.651	
208 Tm	207.977	1.508515	1.394	13681.690	ug/L	508.015
207 Pb		1.515481	1.751	5687.515	ug/L	207.336
206 Pb		1.341087	1.455	6655.197	ug/L	274.338
169 Tm			1007887.185	ug/L	940776.202	
106 Pd		0.570743	12.891	78.000	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	99.620
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	107.983
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	105.564
Tl	205	
Pb	208	
Tm-1	169	107.134
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	107.983
Cd	108	
Cd	114	
Ag	109	
In	115	105.564
207,977	208	
Pb	207	
Pb	206	
Tm	169	107.134
Pd	106	

SOP No. SAC-MT-0001

BJones

Sample ID: H3KF0

Sample Description: G6D190170-14

Batch ID: 6116334

Sample Date/Time: Wednesday, April 26, 2006 21:49:05

Method File: c:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\H3KF0.079

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 61

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc. Mean	Conc. RSD	Meas. Intens. Mean	Sample Unit	Blank Intensity
45 Sc			2275518.936	ug/L	2168057.900
6 Li-1			942337.669	ug/L	944171.698
9 Be	0.005062	73.613	3.000	ug/L	1.667
27 Al	4.186807	5.728	74106.858	ug/L	48727.972
44 Ca	215.658360	1.107	81316.791	ug/L	17922.675
51 V	2.525673	5.237	-9707.526	ug/L	-36803.379
52 Cr	0.107660	16.907	42551.892	ug/L	38566.819
55 Mn	0.684378	0.417	14140.751	ug/L	2978.840
54 Fe	-3.240172	31.382	118182.227	ug/L	112445.934
57 Fe	4.445858	14.517	26629.177	ug/L	23429.769
59 Co	0.351283	1.673	4354.417	ug/L	76.000
60 Ni	0.293094	3.484	916.263	ug/L	156.021
65 Cu	0.934510	2.147	2347.240	ug/L	164.278
68 Zn	1.388617	2.775	2775.774	ug/L	1508.130
75 As	0.603899	15.492	19857.235	ug/L	17316.771
82 Se	0.019207	385.870	461.758	ug/L	426.678
97 Mo	0.182542	7.868	326.673	ug/L	25.000
72 Ge-1			1782113.393	ug/L	1659393.482
107 Ag	0.013080	19.437	156.335	ug/L	54.667
111 Cd	0.002078	277.003	11.552	ug/L	7.768
121 Sb	0.018763	15.423	164.335	ug/L	67.667
135 Ba	0.447670	3.952	917.381	ug/L	267.337
115 In-1			1477751.573	ug/L	1392588.651
205 Tl	0.021401	5.268	338.007	ug/L	56.667
208 Pb	0.276612	1.461	5756.396	ug/L	989.688
169 Tm-1			1004014.042	ug/L	940776.202
50 Cr	4.206905	2.701	-160.952	ug/L	-1111.205
53 Cr	-135.348989	1.736	67896.331	ug/L	175510.161
61 Ni	-14.834194	21.775	3346.125	ug/L	3653.803
63 Cu	0.940441	0.865	1822.531	ug/L	114.669
67 Zn	-17.989190	4.933	1051.511	ug/L	2183.430
66 Zn	1.891404	9.652	1260.254	ug/L	459.700
76 Se	60.644298	37.268	-247123.610	ug/L	-232317.750
77 Se	-83.751546	1.739	6213.879	ug/L	15234.612
78 Se	1.349810	30.068	20380.789	ug/L	18365.731

79 Br	-2347.102933	0.612	19470.488	ug/L	44040.814
72 Ge			1782113.393	ug/L	1659393.482
108 Cd	0.127460	45.696	15.274	ug/L	0.927
114 Cd	0.000987	310.840	41.723	ug/L	35.785
109 Ag	0.011653	31.866	55.000	ug/L	23.333
115 In			1477751.573	ug/L	1392588.651
208 207.977	0.280965	0.400	2979.507	ug/L	508.015
207 Pb	0.287347	3.739	1253.423	ug/L	207.336
206 Pb	0.260458	2.009	1523.466	ug/L	274.338
169 Tm			1004014.042	ug/L	940776.202
106 Pd	0.295655	18.508	42.333	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	99.806
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	107.395
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	106.115
Tl	205	
Pb	208	
Tm-1	169	106.722
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	107.395
Cd	108	
Cd	114	
Ag	109	
In	115	106.115
207.977	208	
Pb	207	
Pb	206	
Tm	169	106.722
Pd	106	

SOP No. SAC-MT-0001

BJones

Sample ID: CCV 11**Sample Description:****Batch ID:****Sample Date/Time:** Wednesday, April 26, 2006 21:53:26**Method File:** c:\elandata\Method\6116313.mth**Dataset File:** C:\elandata\Dataset\060426B1\CCV 11.080**Tuning File:** c:\elandata\Tuning\default.tun**Optimization File:** c:\elandata\Optimize\default.dac**Autosampler Position:** 4**Number of Replicates:** 3**Dual Detector Mode:** Dual**Initial Sample Quantity (mg):****Sample Prep Volume (mL):****Aliquot Volume (mL):****Diluted To Volume (mL):**

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas.	Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					2163320.125		ug/L	2168057.900	
6 Li-1					979339.086		ug/L	944171.698	
9 Be	97.393236	0.829			26666.911		ug/L	1.667	
27 Al	5053.069204	0.315	5024.290040	1.521	24485872.476	1362080.738	ug/L	48727.972	17922.675
44 Ca			97.155478	0.562	1029758.831		ug/L	-36803.379	38566.819
51 V	96.749391	0.925			984334.279		ug/L	2978.840	112445.934
52 Cr	98.294946	0.855			1463930.358		ug/L	23429.769	76.000
54 Fe	4984.501114	1.176			3801300.587		ug/L	156.021	1508.130
57 Fe	4979.972644	1.633			1549572.994		ug/L	164.278	426.678
59 Co	97.071976	1.427			1097856.959		ug/L	1392588.651	25.000
60 Ni	96.615301	1.116			229603.862		ug/L	56.667	1659393.482
65 Cu	97.829409	1.140			211456.203		ug/L	989.688	17316.771
68 Zn	98.829417	1.451			77990.162		ug/L	2183.430	459.700
75 As	99.199880	1.629			209814.976		ug/L	-232317.750	-1111.205
82 Se	98.776508	1.495			17626.051		ug/L	15234.612	3653.803
97 Mo	194.224877	0.211			296651.005		ug/L	18365.731	114.669
72 Ge-1					1656703.017		ug/L		
107 Ag	50.127640	1.680			355971.165		ug/L	54.667	
111 Cd	99.683158	2.262			149736.067		ug/L	7.768	
121 Sb	50.472921	1.894			234936.449		ug/L	67.667	
135 Ba	99.598532	2.068			133294.256		ug/L	267.337	
115 In-1					1394595.409		ug/L		
205 Tl	48.914300	0.412			604026.159		ug/L	56.667	
208 Pb	99.275957	1.280			1606730.563		ug/L		
169 Tm-1					955664.747		ug/L	940776.202	
50 Cr	99.984987	2.749			21707.491		ug/L	-1111.205	
53 Cr	71.037395	4.528			234084.218		ug/L	175510.161	
61 Ni	86.988384	2.199			6797.722		ug/L	3653.803	
63 Cu	97.643811	1.082			164154.279		ug/L	114.669	
67 Zn	87.599003	1.513			8036.322		ug/L		
66 Zn	98.048368	0.831			37422.135		ug/L	459.700	
76 Se	108.773898	29.655			-227964.900		ug/L		
77 Se	96.967463	3.834			26135.308		ug/L		
78 Se	98.924396	1.634			63141.355		ug/L		

79 Br	-225.502821	4.357	41483.731	ug/L	44040.814
72 Ge			1656703.017	ug/L	1659393.482
108 Cd	99.901519	1.533	10578.837	ug/L	0.927
114 Cd	99.896411	1.230	356097.225	ug/L	35.785
109 Ag	49.598803	1.511	121725.561	ug/L	23.333
115 In			1394595.409	ug/L	1392588.651
208 207.977	98.810758	1.525	816454.510	ug/L	508.015
207 Pb	98.764201	1.275	337940.567	ug/L	207.336
206 Pb	100.519145	1.517	452335.486	ug/L	274.338
169 Tm			955664.747	ug/L	940776.202
106 Pd	105.826859	2.274	13725.093	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	103.725
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	99.838
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	100.144
Tl	205	
Pb	208	
Tm-1	169	101.583
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	99.838
Cd	108	
Cd	114	
Ag	109	
In	115	100.144
207.977	208	
Pb	207	
Pb	206	
Tm	169	101.583
Pd	106	

SOP No. SAC-MT-0001

BJones

Sample ID: CCB 11

Sample Description:

Batch ID:

Sample Date/Time: Wednesday, April 26, 2006 21:57:47

Method File: c:\elandata\Method\6116313.mth

Dataset File: C:\elandata\Dataset\060426B1\CCB 11.081

Tuning File: c:\elandata\Tuning\default.tun

Optimization File: c:\elandata\Optimize\default.dac

Autosampler Position: 5

Number of Replicates: 3

Dual Detector Mode: Dual

Initial Sample Quantity (mg):

Sample Prep Volume (mL):

Aliquot Volume (mL):

Diluted To Volume (mL):

Sample Result Summary

Mass Analyte	Conc.	Mean	Conc.	RSD	Meas. Intens.	Mean	Sample Unit	Blank Intensity
45 Sc					2134873.374	ug/L	2168057.900	
6 Li-1					977721.371	ug/L	944171.698	
9 Be	0.053543	38.256			16.333	ug/L	1.667	
27 Al	2.573545	29.578			60952.822	ug/L	48727.972	
44 Ca	-0.614455	304.317			17685.868	ug/L	17922.675	
51 V	1.225799	16.548			-23232.771	ug/L	-36803.379	
52 Cr	-0.300347	11.555			35479.460	ug/L	38566.819	
55 Mn	0.122295	3.619			4779.639	ug/L	2978.840	
54 Fe	-0.074733	3376.623			111931.889	ug/L	112445.934	
57 Fe	-3.517911	12.409			22258.089	ug/L	23429.769	
59 Co	0.081403	15.819			994.391	ug/L	76.000	
60 Ni	0.063249	26.956			305.334	ug/L	156.021	
65 Cu	0.073470	35.165			322.030	ug/L	164.278	
68 Zn	-0.526572	5.176			1095.402	ug/L	1508.130	
75 As	0.281135	75.002			17790.763	ug/L	17316.771	
82 Se	0.108623	118.071			443.822	ug/L	426.678	
97 Mo x	1.444286	54.460			2229.006	ug/L	25.000	
72 Ge-1					1652545.026	ug/L	1659393.482	
107 Ag	0.087566	23.640			671.027	ug/L	54.667	
111 Cd	0.078484	30.470			124.571	ug/L	7.768	
121 Sb	0.132852	16.565			680.360	ug/L	67.667	
135 Ba	0.077774	40.093			368.341	ug/L	267.337	
115 In-1					1382654.803	ug/L	1392588.651	
205 Tl	0.504153	36.811			6217.081	ug/L	56.667	
208 Pb	0.128841	6.445			3050.876	ug/L	989.688	
169 Tm-1					943531.310	ug/L	940776.202	
50 Cr	1.608382	2.873			-740.568	ug/L	-1111.205	
53 Cr	-62.725572	0.452			122957.921	ug/L	175510.161	
61 Ni	-19.915168	15.860			2919.364	ug/L	3653.803	
63 Cu	0.088980	9.341			263.344	ug/L	114.669	
67 Zn	-7.072218	6.589			1702.797	ug/L	2183.430	
66 Zn	-0.246822	9.844			365.021	ug/L	459.700	
76 Se	36.974115	58.946			-230011.896	ug/L	-232317.750	
77 Se	-28.417504	1.789			11978.737	ug/L	15234.612	
78 Se	0.122234	456.713			18345.893	ug/L	18365.731	

79 Br	-253.875030	1.931	41068.021	ug/L	44040.814
72 Ge			1652545.026	ug/L	1659393.482
108 Cd	0.108383	83.865	12.322	ug/L	0.927
114 Cd	0.075091	13.537	300.892	ug/L	35.785
109 Ag	0.081296	25.937	221.008	ug/L	23.333
115 In			1382654.803	ug/L	1392588.651
208 207.977	0.136156	5.503	1619.817	ug/L	508.015
207 Pb	0.124667	8.621	629.023	ug/L	207.336
206 Pb	0.118586	12.725	802.037	ug/L	274.338
169 Tm			943531.310	ug/L	940776.202
106 Pd	0.046276	92.796	10.000	ug/L	4.000

Internal Standard Recoveries

Analyte Mass Int Std % Recovery

Sc	45	
Li-1	6	103.553
Be	9	
Al	27	
Ca	44	
V	51	
Cr	52	
Mn	55	
Fe	54	
Fe	57	
Co	59	
Ni	60	
Cu	65	
Zn	68	
As	75	
Se	82	
Mo	97	
Ge-1	72	99.587
Ag	107	
Cd	111	
Sb	121	
Ba	135	
In-1	115	99.287
Tl	205	
Pb	208	
Tm-1	169	100.293
Cr	50	
Cr	53	
Ni	61	
Cu	63	
Zn	67	
Zn	66	
Se	76	
Se	77	
Se	78	
Br	79	
Ge	72	99.587
Cd	108	
Cd	114	
Ag	109	
In	115	99.287
207.977	208	
Pb	207	
Pb	206	
Tm	169	100.293
Pd	106	

STL Sacramento

SAMPLE SPIKE

Method: 6010

PE ICP2

Reported: 04/28/06 14:51:28

Department: 120 (Metals)

Source: OPTIMA

Sample: H3KFFZ

Spike Dilution: 1.00

Sample Dilution: 1.00

Instrument: PE 4300

Channel 268

File: APR2806AX.csv # 39

Method 6010O

Acquired: 04/28/2006 10:29:57

PE ICP2

Matrix: AIR

Calibrated: 04/28/2006 08:24:39

Units: mg/L

CASN	Analyte Name	Area	Amount	Sample	%Rec.	Spike	Flag	Q
7440-70-2	Calcium		47.125	0.33523	93.6	50.0		<input checked="" type="checkbox"/>
7439-95-4	Magnesium		48.581	0.09133	97.0	50.0		<input checked="" type="checkbox"/>
7440-66-6	Zinc		0.50235	0.00801	98.9	0.500		<input checked="" type="checkbox"/>
7429-90-5	Aluminum		2.0061	0.08612	96.0	2.00		<input checked="" type="checkbox"/>
7439-89-6	Iron		1.1286	0.10640	102	1.00		<input checked="" type="checkbox"/>
7439-89-6	Iron		1.1275	0.10225	103	1.00		<input checked="" type="checkbox"/>
7440-23-5	Sodium		46.690	0.54933	92.3	50.0		<input checked="" type="checkbox"/>
7440-23-5	Sodium		46.703	0.07473	93.3	50.0		<input checked="" type="checkbox"/>
CASN	ISTD Name	Area	Amount					Q
A7440655	Y_Axial		96.881					<input checked="" type="checkbox"/>
R7440655	Y_Radial		96.771					<input checked="" type="checkbox"/>
In_Axial	In Axial		94.852					<input checked="" type="checkbox"/>
In_Radial	In Radial		99.786					<input checked="" type="checkbox"/>
Sc_Axial	Sc Axial		98.769					<input checked="" type="checkbox"/>
Sc_Radial	Sc Radial		98.612					<input checked="" type="checkbox"/>

Reviewed by:

Date:

IDB Reports

Severn Trent Laboratories

Version: 6.02.068

View Page 1 of 1

STL Sacramento

SAMPLE SPIKE

Method: 6020 (SOP: SAC-MT-001)

M01

Reported: 04/28/06 14:13:59

Department: 120 (Metals)

Source: MetEdit

Sample: H3KFFZ

Spike Dilution: 1.00

Sample Dilution: 1.00

Instrument: ICPMS M01

Channel 261

File: 060426B1 # 56

Method 6020_

Acquired: 04/26/2006 20:09:13

M01

Matrix: AIR

Calibrated: 04/26/2006 16:42:19

Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	Sample	%Rec.	Spike	Flag	Q
7440-41-7	Beryllium	9	54312	204.81	0.00605	102	200		<input checked="" type="checkbox"/>
7429-90-5	Aluminum	27	5188745	1149.3	89.821	106	1000		<input checked="" type="checkbox"/>
7440-62-2	Vanadium	51	2006030	200.81	2.6549	99.1	200		<input checked="" type="checkbox"/>
7440-47-3	Chromium	52	1847743	200.31	-0.15456	100	200		<input checked="" type="checkbox"/>
7439-89-6	Iron	54	935025	1213.5	82.772	113	1000		<input checked="" type="checkbox"/>
7439-89-6	Iron	57	362480	1201.8	102.30	110	1000		<input checked="" type="checkbox"/>
7439-96-5	Manganese	55	2990902	217.25	3.9786	107	200		<input checked="" type="checkbox"/>
7440-48-4	Cobalt	59	2148342	205.28	0.44783	102	200		<input checked="" type="checkbox"/>
7440-02-0	Nickel	60	460092	209.29	0.35757	104	200		<input checked="" type="checkbox"/>
7440-50-8	Copper	65	480867	240.53	32.225	104	200		<input checked="" type="checkbox"/>
7440-66-6	Zinc	68	168235	232.97	2.6360	115	200		<input checked="" type="checkbox"/>
7440-38-2	Arsenic	75	392757	209.78	-0.05785	105	200		<input checked="" type="checkbox"/>
7782-49-2	Selenium	82	35873	220.15	-0.18984	110	200		<input checked="" type="checkbox"/>
7439-98-7	Molybdenum	97	301544	213.34	0.26014	107	200		<input checked="" type="checkbox"/>
7440-22-4	Silver	107	370598	53.473	0.02154	107	50.0		<input checked="" type="checkbox"/>
7440-43-9	Cadmium	111	309622	211.22	0.02720	106	200		<input checked="" type="checkbox"/>
7440-36-0	Antimony	121	231463	50.956	0.09262	102	50.0		<input checked="" type="checkbox"/>
7440-39-3	Barium	135	279750	214.40	1.8256	106	200		<input checked="" type="checkbox"/>
7440-28-0	Thallium	205	665516	55.833	0.02433	112	50.0		<input checked="" type="checkbox"/>
7439-92-1	Lead	208	3257479	208.60	0.85827	104	200		<input checked="" type="checkbox"/>
CASN	ISTD Name	M/S	Area	Amount					Q
LITHIUM6	Lithium-6	6	948642						<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1533139						<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1561206						<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	922518						<input checked="" type="checkbox"/>

Reviewed by:

Date:

Serial Dilution

STL Sacramento

SERIAL DILUTION

Method: 6010

PE ICP2

Reported: 04/28/06 14:51:24

Department: 120 (Metals)

Source: OPTIMA

Sample: H3KFFP5

Serial Dilution: 5.00 Sample Dilution: 1.00

Instrument: PE 4300
 File: APR2806AX.csv # 38
 Acquired: 04/28/2006 10:26:20
 Calibrated: 04/28/2006 08:24:39

Channel 268

Method 6010O

PE ICP2

Matrix: AIR

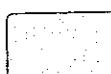
Units: mg/L

CASN	Analyte Name	Area	Dilution	Sample	%Diff.	MDL	Flag	Q
7440-70-2	Calcium		0.38793	0.33523	15.7	0.75	NC	<input checked="" type="checkbox"/>
7439-95-4	Magnesium		0.07854	0.09133	14.0	0.081	NC	<input checked="" type="checkbox"/>
7440-66-6	Zinc		0.01788	0.00801	123		*	
7429-90-5	Aluminum		0.08895	0.08612	3.28	0.034	NC	<input checked="" type="checkbox"/>
7439-89-6	Iron		0.10387	0.10640	2.39	0.012	NC	<input checked="" type="checkbox"/>
7439-89-6	Iron		0.13930	0.10225	36.2	0.012	NC	<input checked="" type="checkbox"/>
7440-23-5	Sodium		0.61162	0.54933	11.3	1.7	NC	<input checked="" type="checkbox"/>
7440-23-5	Sodium		-5.9995	0.07473	8130	1.7	NC	<input checked="" type="checkbox"/>
CASN	ISTD Name	Area		Amount				Q
A7440655	Y_Axial			99.774				<input checked="" type="checkbox"/>
R7440655	Y_Radial			100.64				<input checked="" type="checkbox"/>
In_Axial	In Axial			99.274				<input checked="" type="checkbox"/>
In_Radial	In Radial			102.49				<input checked="" type="checkbox"/>
Sc_Axial	Sc Axial			99.586				<input checked="" type="checkbox"/>
Sc_Radial	Sc Radial			100.58				<input checked="" type="checkbox"/>

* Analyte not requested for this batch, no MDL

NC : Serial dilution concentration < 50 X MDL

E : Difference greater than Limit (10%)



Reviewed by:

Date:

IDB Reports

Severn Trent Laboratories

Version: 6.02.068

View Page 1 of 1

STL Sacramento

SERIAL DILUTION

Method: 6020 (SOP: SAC-MT-001)

M01

Reported: 04/28/06 14:13:54

Department: 120 (Metals)

Source: MetEdit

Sample: H3KFFP5

Serial Dilution: 5.00

Sample Dilution: 1.00

Instrument: ICPMS M01

Channel 261

File: 060426B1 # 55

Method 6020_

Acquired: 04/26/2006 20:04:56

M01

Matrix: AIR

Calibrated: 04/26/2006 16:42:19

Units: ug/L

CASN	Analyte Name	M/S	Area	Dilution	Sample	%Diff.	MDL	Flag	Q
7440-41-7	Beryllium	9	2	-0.00149	0.00605	125	0.0070	NC	<input checked="" type="checkbox"/>
7429-90-5	Aluminum	27	120683	84.811	89.821	5.58		*	<input type="checkbox"/>
7440-62-2	Vanadium	51	-16719	8.4772	2.6549	219	2.4	NC	<input checked="" type="checkbox"/>
7440-47-3	Chromium	52	36945	0.76939	-0.15456		8.6	NC	<input checked="" type="checkbox"/>
7439-89-6	Iron	54	112979	68.060	82.772	17.8		*	<input type="checkbox"/>
7439-89-6	Iron	57	26669	89.563	102.30	12.4		*	<input type="checkbox"/>
7439-96-5	Manganese	55	15309	4.5755	3.9786	15.0	1.6	NC	<input checked="" type="checkbox"/>
7440-48-4	Cobalt	59	1038	0.46325	0.44783	3.44	3.1	NC	<input checked="" type="checkbox"/>
7440-02-0	Nickel	60	467	0.73730	0.35757	106	2.9	NC	<input checked="" type="checkbox"/>
7440-50-8	Copper	65	13167	32.630	32.225	1.26	2.4	NC	<input checked="" type="checkbox"/>
7440-66-6	Zinc	68	3538	15.023	2.6360	470	5.2	NC	<input checked="" type="checkbox"/>
7440-38-2	Arsenic	75	15699	-0.74189	-0.05785		1.6	NC	<input checked="" type="checkbox"/>
7782-49-2	Selenium	82	360	-1.0265	-0.18984		1.4	NC	<input checked="" type="checkbox"/>
7439-98-7	Molybdenum	97	154	0.46531	0.26014	78.9	0.94	NC	<input checked="" type="checkbox"/>
7440-22-4	Silver	107	179	0.09093	0.02154	322	0.012	NC	<input checked="" type="checkbox"/>
7440-43-9	Cadmium	111	13	0.01699	0.02720	37.5	0.045	NC	<input checked="" type="checkbox"/>
7440-36-0	Antimony	121	387	0.35314	0.09262	281		*	<input type="checkbox"/>
7440-39-3	Barium	135	739	1.8342	1.8256	0.474	29.0	NC	<input checked="" type="checkbox"/>
7440-28-0	Thallium	205	224	0.07144	0.02433	194		*	<input type="checkbox"/>
7439-92-1	Lead	208	4255	1.0610	0.85827	23.6	0.28	NC	<input checked="" type="checkbox"/>
CASN	ISTD Name	M/S	Area	Amount					Q
LITHIUM6	Lithium-6	6	990982						<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1529936						<input type="checkbox"/>
7440-74-6	Indium	115	1360176						<input type="checkbox"/>
7440-30-4	Thulium	169	916420						<input type="checkbox"/>

* Analyte not requested for this batch, no MDL

NC : Serial dilution concentration < 100 X MDL

E : Difference greater than Limit (10%)

Reviewed by:

Date:

Calibration Verification Summary

STL Sacramento

RUN SUMMARY

Method: 6010

PE ICP2 (P05)

Reported: 04/28/06 14:50:32

File ID: APR2805AX.csv

Analyst: WONGA

#	Sample ID	Lot No.	Batch	DF	Analyzed Date	Comment	Q
1	Calib_Bank_			1.0	04/28/06 08:21		<input type="checkbox"/>
2	Calib_Std_1			1.0	04/28/06 08:24		<input type="checkbox"/>
3	ZZZZZ			1.0	04/28/06 08:26		<input type="checkbox"/>
4	Calib Std 2			1.0	04/28/06 08:28		<input type="checkbox"/>
5	ICV4			1.0	04/28/06 08:31		<input type="checkbox"/>
6	ICB			1.0	04/28/06 08:33		<input type="checkbox"/>
7	PQL			1.0	04/28/06 08:37		<input type="checkbox"/>
8	ICSA			1.0	04/28/06 08:40		<input type="checkbox"/>
9	ICSAB_4.0			1.0	04/28/06 08:43		<input type="checkbox"/>
10	FB F1685532			1.0	04/28/06 08:49		<input type="checkbox"/>
11	H34D0B	G6D260000	6116325	2A	1.0 04/28/06 08:53		<input type="checkbox"/>
12	H34D0C	G6D260000	6116325	2A	1.0 04/28/06 08:56		<input type="checkbox"/>
13	H34D0L	G6D260000	6116325	2A	1.0 04/28/06 08:59		<input type="checkbox"/>
14	H3EVF	G6D170132-1	6116325	2A	1.0 04/28/06 09:03		<input type="checkbox"/>
15	H3EVFP5	G6D170132	6116325		5.0 04/28/06 09:06		<input type="checkbox"/>
16	CCV				1.0 04/28/06 09:10		<input type="checkbox"/>
17	CCB				1.0 04/28/06 09:12		<input type="checkbox"/>
18	H3EVFZ	G6D170132-1	6116325		1.0 04/28/06 09:16		<input type="checkbox"/>
19	H3EVH	G6D170132-2	6116325	2A	1.0 04/28/06 09:20		<input type="checkbox"/>
20	H3EVK	G6D170132-3	6116325	2A	1.0 04/28/06 09:23		<input type="checkbox"/>
21	H3EVL	G6D170132-4	6116325	2A	1.0 04/28/06 09:27		<input type="checkbox"/>
22	H3EVM	G6D170132-5	6116325	2A	1.0 04/28/06 09:30		<input type="checkbox"/>
23	H3EVN	G6D170132-6	6116325	2A	1.0 04/28/06 09:34		<input type="checkbox"/>
24	H3EVQ	G6D170132-7	6116325	2A	1.0 04/28/06 09:37		<input type="checkbox"/>
25	H3EVT	G6D170132-8	6116325	2A	1.0 04/28/06 09:41		<input type="checkbox"/>
26	H3EV2	G6D170132-9	6116325	2A	1.0 04/28/06 09:45		<input type="checkbox"/>
27	H3EV3	G6D170132-10	6116325	2A	1.0 04/28/06 09:48		<input type="checkbox"/>
28	CCV				1.0 04/28/06 09:52		<input type="checkbox"/>
29	CCB				1.0 04/28/06 09:54		<input type="checkbox"/>
30	H3EV6	G6D170132-11	6116325	2A	1.0 04/28/06 09:58		<input type="checkbox"/>
31	H3EV7	G6D170132-12	6116325	2A	1.0 04/28/06 10:01		<input type="checkbox"/>
32	H3EV8	G6D170132-13	6116325	2A	1.0 04/28/06 10:05		<input type="checkbox"/>
33	FB F1685532				1.0 04/28/06 10:09		<input type="checkbox"/>
34	H34FMB	G6D260000	6116343	2A	1.0 04/28/06 10:12		<input type="checkbox"/>
35	H34FMC	G6D260000	6116343	2A	1.0 04/28/06 10:16		<input type="checkbox"/>
36	H34FML	G6D260000	6116343	2A	1.0 04/28/06 10:19		<input type="checkbox"/>
37	H3KFF	G6D190170-1	6116343	2A	1.0 04/28/06 10:22		<input type="checkbox"/>
38	H3KFFP5	G6D190170	6116343		5.0 04/28/06 10:26		<input type="checkbox"/>
39	H3KFFZ	G6D190170-1	6116343		1.0 04/28/06 10:29		<input type="checkbox"/>
40	CCV				1.0 04/28/06 10:33		<input type="checkbox"/>
41	CCB				1.0 04/28/06 10:35		<input type="checkbox"/>
42	H3KFG	G6D190170-2	6116343	2A	1.0 04/28/06 10:39		<input type="checkbox"/>
43	H3KFH	G6D190170-3	6116343	2A	1.0 04/28/06 10:43		<input type="checkbox"/>
44	H3KFJ	G6D190170-4	6116343	2A	1.0 04/28/06 10:46		<input type="checkbox"/>
45	H3KFL	G6D190170-5	6116343	2A	1.0 04/28/06 10:50		<input type="checkbox"/>
46	H3KFM	G6D190170-6	6116343	2A	1.0 04/28/06 10:53		<input type="checkbox"/>

STL Sacramento

RUN SUMMARY

Method: 6010

PE ICP2 (P05)

Reported: 04/28/06 14:50:32

File ID: APR2806AX.csv

Analyst: WONGA

#	Sample ID	Lot No.	Batch	DF	Analyzed Date	Comment	Q
47	H3KFP	G6D190170-7	6116343	2A	1.0 04/28/06 10:57		<input type="checkbox"/>
48	H3KFQ	G6D190170-8	6116343	2A	1.0 04/28/06 11:00		<input type="checkbox"/>
49	H3KFR	G6D190170-9	6116343	2A	1.0 04/28/06 11:04		<input type="checkbox"/>
50	H3KFT	G6D190170-10	6116343	2A	1.0 04/28/06 11:08		<input type="checkbox"/>
51	H3KFV	G6D190170-11	6116343	2A	1.0 04/28/06 11:11		<input type="checkbox"/>
52	CCV				1.0 04/28/06 11:15		<input type="checkbox"/>
53	CCB				1.0 04/28/06 11:17		<input type="checkbox"/>
54	H3KFW	G6D190170-12	6116343	2A	1.0 04/28/06 11:21		<input type="checkbox"/>
55	H3KFX	G6D190170-13	6116343	2A	1.0 04/28/06 11:24		<input type="checkbox"/>
56	H3KF0	G6D190170-14	6116343	2A	1.0 04/28/06 11:28		<input type="checkbox"/>
57	CCV				1.0 04/28/06 11:32		<input type="checkbox"/>
58	CCB				1.0 04/28/06 11:34		<input type="checkbox"/>

STL Sacramento

INTERNAL STANDARD SUMMARY

Method: 6010 ()

PE ICP2 (P05)

Reported: 04/28/06 14:50:32

File ID: APR2806AX.csv

Analyst: WONGA

#	Sample ID	Analyzed Date	In Axial	In Radial	Sc Axial	Sc Radial	Y_Axial	Y_Radial	Q
1	Calib_Blk	04/28/06 08:21	0.0	0.0	0.0	0.0	0.0	0.0	<input checked="" type="checkbox"/>
2	Calib_Std_1	04/28/06 08:24	0.0	0.0	0.0	0.0	0.0	0.0	<input checked="" type="checkbox"/>
3	ZZZZZ	04/28/06 08:26	79.6	85.6	87.6	89.7	85.0	86.3	<input checked="" type="checkbox"/>
4	Calib_Std_2	04/28/06 08:28	0.0	0.0	0.0	0.0	0.0	0.0	<input checked="" type="checkbox"/>
5	ICV4	04/28/06 08:31	95.9	96.3	97.0	98.0	95.4	93.8	<input checked="" type="checkbox"/>
6	ICB	04/28/06 08:33	98.8	100.1	98.6	97.3	98.7	97.5	<input checked="" type="checkbox"/>
7	PQL	04/28/06 08:37	100.1	100.2	100.1	97.7	99.6	97.4	<input checked="" type="checkbox"/>
8	ICSA	04/28/06 08:40	80.3	87.1	86.9	88.0	84.6	87.5	<input checked="" type="checkbox"/>
9	ICSAB_4.0	04/28/06 08:43	79.9	86.6	85.6	88.7	83.6	87.2	<input checked="" type="checkbox"/>
10	FB_F1685532	04/28/06 08:49	101.0	102.8	100.8	98.6	100.3	98.5	<input checked="" type="checkbox"/>
11	H34D0B	04/28/06 08:53	101.0	101.9	101.1	98.8	101.0	98.8	<input checked="" type="checkbox"/>
12	H34D0C	04/28/06 08:56	94.1	97.8	96.9	96.7	94.9	94.7	<input checked="" type="checkbox"/>
13	H34D0L	04/28/06 08:59	93.0	98.5	97.7	98.7	95.6	96.6	<input checked="" type="checkbox"/>
14	H3EVF	04/28/06 09:03	101.1	103.6	101.1	103.2	100.9	103.1	<input checked="" type="checkbox"/>
15	H3EVFP5	04/28/06 09:06	99.5	101.4	99.5	99.6	99.4	99.4	<input checked="" type="checkbox"/>
16	CCV	04/28/06 09:10	92.7	96.6	96.3	96.0	93.5	94.3	<input checked="" type="checkbox"/>
17	CCB	04/28/06 09:12	99.6	101.2	99.6	97.6	99.7	97.6	<input checked="" type="checkbox"/>
18	H3EVFZ	04/28/06 09:16	94.6	98.3	95.1	99.1	93.3	97.3	<input checked="" type="checkbox"/>
19	H3EVH	04/28/06 09:20	100.7	104.0	101.0	101.2	100.8	101.2	<input checked="" type="checkbox"/>
20	H3EVK	04/28/06 09:23	99.9	104.1	100.3	101.3	100.0	101.2	<input checked="" type="checkbox"/>
21	H3EVL	04/28/06 09:27	101.0	103.1	101.4	102.4	101.1	102.3	<input checked="" type="checkbox"/>
22	H3EVM	04/28/06 09:30	100.9	103.5	101.1	101.5	100.6	101.1	<input checked="" type="checkbox"/>
23	H3EVN	04/28/06 09:34	101.0	102.7	101.1	100.7	100.8	100.5	<input checked="" type="checkbox"/>
24	H3EVQ	04/28/06 09:37	102.0	103.7	102.3	102.6	102.0	102.6	<input checked="" type="checkbox"/>
25	H3EVT	04/28/06 09:41	100.7	103.2	101.1	100.9	100.9	100.9	<input checked="" type="checkbox"/>
26	H3EV2	04/28/06 09:45	100.9	103.4	101.1	100.4	100.8	100.4	<input checked="" type="checkbox"/>
27	H3EV3	04/28/06 09:48	102.1	103.6	102.5	102.0	102.3	102.0	<input checked="" type="checkbox"/>
28	CCV	04/28/06 09:52	93.1	99.3	97.7	98.2	94.1	96.8	<input checked="" type="checkbox"/>
29	CCB	04/28/06 09:54	99.5	102.2	99.9	101.2	100.1	101.4	<input checked="" type="checkbox"/>
30	H3EV6	04/28/06 09:58	101.4	103.7	101.9	101.5	101.5	101.4	<input checked="" type="checkbox"/>
31	H3EV7	04/28/06 10:01	100.9	104.4	101.2	102.5	101.0	102.4	<input checked="" type="checkbox"/>
32	H3EV8	04/28/06 10:05	102.6	103.5	102.9	100.0	102.6	100.1	<input checked="" type="checkbox"/>
33	FB_F1685532	04/28/06 10:09	100.1	104.1	100.6	102.0	100.3	101.9	<input checked="" type="checkbox"/>
34	H34FMB	04/28/06 10:12	100.9	104.9	101.2	102.4	101.1	102.6	<input checked="" type="checkbox"/>
35	H34FMC	04/28/06 10:16	94.4	99.7	98.5	99.7	96.6	97.6	<input checked="" type="checkbox"/>
36	H34FML	04/28/06 10:19	95.0	100.2	97.9	97.9	96.0	96.0	<input checked="" type="checkbox"/>
37	H3KFF	04/28/06 10:22	102.0	108.4	102.4	105.0	102.3	104.9	<input checked="" type="checkbox"/>
38	H3KFFP5	04/28/06 10:26	99.3	102.5	99.6	100.6	99.8	100.6	<input checked="" type="checkbox"/>
39	H3KFFZ	04/28/06 10:29	94.9	99.8	98.8	98.6	96.9	96.8	<input checked="" type="checkbox"/>
40	CCV	04/28/06 10:33	92.2	98.0	97.3	96.7	93.3	95.5	<input checked="" type="checkbox"/>
41	CCB	04/28/06 10:35	99.6	101.7	100.0	100.7	100.1	100.9	<input checked="" type="checkbox"/>
42	H3KFG	04/28/06 10:39	101.3	105.0	101.9	103.3	101.6	103.2	<input checked="" type="checkbox"/>
43	H3KFH	04/28/06 10:43	102.6	105.8	102.9	102.1	102.6	102.0	<input checked="" type="checkbox"/>
44	H3KFJ	04/28/06 10:46	101.9	104.5	102.5	103.3	102.2	103.1	<input checked="" type="checkbox"/>
45	H3KFL	04/28/06 10:50	101.6	104.8	102.2	102.6	101.9	102.5	<input checked="" type="checkbox"/>
46	H3KFM	04/28/06 10:53	102.9	105.4	103.2	104.7	102.9	104.4	<input checked="" type="checkbox"/>

STL Sacramento

INTERNAL STANDARD SUMMARY

Method: 6010 ()

PE ICP2 (P05)

Reported: 04/28/06 14:50:32

File ID: APR2806AX.csv

Analyst: WONGA

#	Sample ID	Analyzed Date	In Axial	In Radial	Sc Axial	Sc Radial	Y_Axial	Y_Radial	Q
47	H3KFP	04/28/06 10:57	102.1	105.3	102.3	103.1	101.9	102.7	<input checked="" type="checkbox"/>
48	H3KFQ	04/28/06 11:00	102.8	105.4	102.8	101.8	102.3	101.4	<input checked="" type="checkbox"/>
49	H3KFR	04/28/06 11:04	103.3	102.7	103.3	99.8	102.8	99.7	<input checked="" type="checkbox"/>
50	H3KFT	04/28/06 11:08	104.0	105.9	104.1	103.9	103.4	103.5	<input checked="" type="checkbox"/>
51	H3KFV	04/28/06 11:11	102.7	105.8	103.2	101.8	102.8	101.7	<input checked="" type="checkbox"/>
52	CCV	04/28/06 11:15	92.9	98.2	97.1	97.4	94.3	96.2	<input checked="" type="checkbox"/>
53	CCB	04/28/06 11:17	99.7	102.5	100.3	98.9	100.4	99.0	<input checked="" type="checkbox"/>
54	H3KFW	04/28/06 11:21	102.0	105.5	102.3	102.3	101.9	101.9	<input checked="" type="checkbox"/>
55	H3KFX	04/28/06 11:24	101.8	104.8	102.1	101.5	101.6	101.1	<input checked="" type="checkbox"/>
56	H3KFO	04/28/06 11:28	103.1	105.3	103.5	103.4	103.0	103.2	<input checked="" type="checkbox"/>
57	CCV	04/28/06 11:32	93.1	99.7	97.0	98.0	94.2	96.6	<input checked="" type="checkbox"/>
58	CCB	04/28/06 11:34	99.9	102.5	100.5	100.8	100.7	100.9	<input checked="" type="checkbox"/>

STL Sacramento

CALIBRATION CHECK SUMMARY

Method: 6010

PE ICP2

Reported: 04/28/06 14:51:35

Method: 6010	Instrument: PE ICP2	Batch: APR2806AX.csv	Analyzed Date	Q
Sample ID	Type	File - Sequence		
ICV4	ICV	APR2806AX.csv, 5	04/28/2006 08:31:04	<input type="checkbox"/>
ICB	ICB	APR2806AX.csv, 6	04/28/2006 08:33:27	<input type="checkbox"/>
ICSA	ICSA	APR2806AX.csv, 8	04/28/2006 08:40:39	<input type="checkbox"/>
ICSAB_4.0	ICSAB	APR2806AX.csv, 9	04/28/2006 08:43:11	<input type="checkbox"/>
CCV	CCV	APR2806AX.csv, 16	04/28/2006 09:10:33	<input type="checkbox"/>
CCB	CCB	APR2806AX.csv, 17	04/28/2006 09:12:56	<input type="checkbox"/>
CCV	CCV	APR2806AX.csv, 28	04/28/2006 09:52:21	<input type="checkbox"/>
CCB	CCB	APR2806AX.csv, 29	04/28/2006 09:54:44	<input type="checkbox"/>
CCV	CCV	APR2806AX.csv, 40	04/28/2006 10:33:28	<input type="checkbox"/>
CCB	CCB	APR2806AX.csv, 41	04/28/2006 10:35:48	<input type="checkbox"/>
CCV	CCV	APR2806AX.csv, 52	04/28/2006 11:15:17	<input type="checkbox"/>
CCB	CCB	APR2806AX.csv, 53	04/28/2006 11:17:41	<input type="checkbox"/>
CCV	CCV	APR2806AX.csv, 57	04/28/2006 11:32:05	<input type="checkbox"/>
CCB	CCB	APR2806AX.csv, 58	04/28/2006 11:34:28	<input type="checkbox"/>

STL Sacramento

CALIBRATION REPORT

Method: 6010

PE ICP2

Reported: 04/28/06 14:51:35

Department: 120 (Metals)

Source: OPTIMA

Sample: ICV4 (ICV)

Mult: 1.00

Dilf:

1.00

Divs:

1.000

Instrument: PE 4300

Channel 268

File: APR2806AX.csv # 5

Method 60100

Acquired: 04/28/2006 08:31:04

PE ICP2

Calibrated: 04/28/2006 08:24:39

Units: mg/L

CASN	Analyte Name	Area	Found	True	%R	Q
7440-70-2	Calcium		9.7565	10.000	97.6	<input checked="" type="checkbox"/>
7439-95-4	Magnesium		9.8652	10.000	98.7	<input checked="" type="checkbox"/>
7440-66-6	Zinc		0.96640	1.0000	96.6	<input checked="" type="checkbox"/>
7429-90-5	Aluminum		10.070	10.000	101	<input checked="" type="checkbox"/>
7439-89-6	Iron		10.069	10.000	101	<input checked="" type="checkbox"/>
7439-89-6	Iron		9.8273	10.000	98.3	<input checked="" type="checkbox"/>
7440-23-5	Sodium		9.7935	10.000	97.9	<input checked="" type="checkbox"/>
7440-23-5	Sodium		8.5711	10.000	85.7	<input checked="" type="checkbox"/>
CASN	ISTD Name	Area	Amount		Q	
A7440655	Y_Axial		95.441			<input checked="" type="checkbox"/>
R7440655	Y_Radial		93.836			<input checked="" type="checkbox"/>
In_Axial	In Axial		95.859			<input checked="" type="checkbox"/>
In_Radial	In Radial		96.268			<input checked="" type="checkbox"/>
Sc_Axial	Sc Axial		96.998			<input checked="" type="checkbox"/>
Sc_Radial	Sc Radial		98.026			<input checked="" type="checkbox"/>

Reviewed by:

Date:

IDB Reports

Severn Trent Laboratories

Version: 6.02.068

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STL Sacramento

BLANK REPORT

Method: 6010

PE ICP2

Reported: 04/28/06 14:51:35

Department: 120 (Metals)

Source: OPTIMA

Sample: ICB

Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: PE 4300
 File: APR2806AX.csv # 6
 Acquired: 04/28/2006 08:33:27
 Calibrated: 04/28/2006 08:24:39

Channel 268

Method 60100

PE ICP2

Units: mg/L

CASN	Analyte Name	Area	Amount	RL	MDL	%RSD	Q
7440-70-2	Calcium		0.00438	0.50	0.0067	0.0015	<input checked="" type="checkbox"/>
7439-95-4	Magnesium		-0.00037	0.50	0.012	0.0058	<input checked="" type="checkbox"/>
7440-66-6	Zinc		0.00017	0.0050	0.0033	0.000084	<input checked="" type="checkbox"/>
7429-90-5	Aluminum		0.00722	0.10	0.015	0.0056	<input checked="" type="checkbox"/>
7439-89-6	Iron		0.00372	0.050	0.012	0.0015	<input checked="" type="checkbox"/>
7439-89-6	Iron		0.01192	0.050	0.012	0.0080	<input checked="" type="checkbox"/>
7440-23-5	Sodium		0.01802	0.50	0.0082	0.018	<input checked="" type="checkbox"/>
7440-23-5	Sodium		-0.50212	0.50	0.0082	1.6	<input checked="" type="checkbox"/>
CASN	ISTD Name	Area	Amount				Q
A7440655	Y_Axial		98.669				<input checked="" type="checkbox"/>
R7440655	Y_Radial		97.461				<input checked="" type="checkbox"/>
In_Axial	In Axial		98.819				<input checked="" type="checkbox"/>
In_Radial	In Radial		100.11				<input checked="" type="checkbox"/>
Sc_Axial	Sc Axial		98.559				<input checked="" type="checkbox"/>
Sc_Radial	Sc Radial		97.337				<input checked="" type="checkbox"/>

Reviewed by:

Date:

STL Sacramento

CALIBRATION REPORT

Method: 6010

PE ICP2

Reported: 04/28/06 14:51:35

Department: 120 (Metals)

Source: OPTIMA

Sample: ICSA

Mult: 1.00

Dilf:

1.00

Divs: 1.000

Instrument: PE 4300
 File: APR2806AX.csv # 8
 Acquired: 04/28/2006 08:40:39
 Calibrated: 04/28/2006 08:24:39

Channel 268

Method 60100

PE ICP2

Units: mg/L

CASN	Analyte Name	Area	Found	True	%R	Q
7440-70-2	Calcium		468.27	500.00	93.7	<input checked="" type="checkbox"/>
7439-95-4	Magnesium		459.61	500.00	91.9	<input checked="" type="checkbox"/>
7440-66-6	Zinc		0.00697		*	
7429-90-5	Aluminum		494.21	500.00	98.8	<input checked="" type="checkbox"/>
7439-89-6	Iron		185.72	200.00	92.9	<input checked="" type="checkbox"/>
7439-89-6	Iron		185.36	200.00	92.7	<input checked="" type="checkbox"/>
7440-23-5	Sodium		0.01067		*	<input checked="" type="checkbox"/>
7440-23-5	Sodium		-2.5689		*	<input checked="" type="checkbox"/>
CASN	ISTD Name	Area	Amount			Q
A7440655	Y_Axial		84.619			<input checked="" type="checkbox"/>
R7440655	Y_Radial		87.532			<input checked="" type="checkbox"/>
In_Axial	In Axial		80.349			<input checked="" type="checkbox"/>
In_Radial	In Radial		87.136			<input checked="" type="checkbox"/>
Sc_Axial	Sc Axial		86.941			<input checked="" type="checkbox"/>
Sc_Radial	Sc Radial		87.978			<input checked="" type="checkbox"/>

Reviewed by:

Date:

STL Sacramento

CALIBRATION REPORT

Method: 6010

PE ICP2

Reported: 04/28/06 14:51:35

Department: 120 (Metals)

Source: OPTIMA

Sample: ICSAB_4.0

Mult: 1.00

Dilf:

1.00

Divs: 1.000

Instrument: PE 4300

Channel 268

File: APR2806AX.csv # 9

Method 6010O

Acquired: 04/28/2006 08:43:11

PE ICP2

Calibrated: 04/28/2006 08:24:39

Units: mg/L

CASN	Analyte Name	Area	Found	True	%R	Q
7440-70-2	Calcium		461.72	500.00	92.3	<input checked="" type="checkbox"/>
7439-95-4	Magnesium		467.55	500.00	93.5	<input checked="" type="checkbox"/>
7440-66-6	Zinc		0.96732	1.0000	96.7	<input checked="" type="checkbox"/>
7429-90-5	Aluminum		487.15	500.00	97.4	<input checked="" type="checkbox"/>
7439-89-6	Iron		188.22	200.00	94.1	<input checked="" type="checkbox"/>
7439-89-6	Iron		185.79	200.00	92.9	<input checked="" type="checkbox"/>
7440-23-5	Sodium		-0.00855		*	
7440-23-5	Sodium		-1.5405		*	
CASN	ISTD Name	Area	Amount			Q
A7440655	Y_Axial		83.630			<input checked="" type="checkbox"/>
R7440655	Y_Radial		87.178			<input checked="" type="checkbox"/>
In_Axial	In Axial		79.882			<input checked="" type="checkbox"/>
In_Radial	In Radial		86.648			<input checked="" type="checkbox"/>
Sc_Axial	Sc Axial		85.627			<input checked="" type="checkbox"/>
Sc_Radial	Sc Radial		88.657			<input checked="" type="checkbox"/>

Reviewed by:

Date:

STL Sacramento

CALIBRATION REPORT

Method: 6010

PE ICP2

Reported: 04/28/06 14:51:35

Department: 120 (Metals)

Source: OPTIMA

Sample: CCV (CCV)

Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: PE 4300
 File: APR2806AX.csv # 16
 Acquired: 04/28/2006 09:10:33
 Calibrated: 04/28/2006 08:24:39

Channel 268
 Method 60100
 PE ICP2

Units: mg/L

CASN	Analyte Name	Area	Found	True	%R	Q
7440-70-2	Calcium		25.136	25.000	101	<input checked="" type="checkbox"/>
7439-95-4	Magnesium		25.428	25.000	102	<input checked="" type="checkbox"/>
7440-66-6	Zinc		2.5360	2.5000	101	<input checked="" type="checkbox"/>
7429-90-5	Aluminum		24.577	25.000	98.3	<input checked="" type="checkbox"/>
7439-89-6	Iron		25.551	25.000	102	<input checked="" type="checkbox"/>
7439-89-6	Iron		24.971	25.000	99.9	<input checked="" type="checkbox"/>
7440-23-5	Sodium		24.021	25.000	96.1	<input checked="" type="checkbox"/>
7440-23-5	Sodium		25.785	25.000	103	<input checked="" type="checkbox"/>
CASN	ISTD Name	Area	Amount			Q
A7440655	Y_Axial		93.548			<input checked="" type="checkbox"/>
R7440655	Y_Radial		94.334			<input checked="" type="checkbox"/>
In_Axial	In Axial		92.692			<input checked="" type="checkbox"/>
In_Radial	In Radial		96.644			<input checked="" type="checkbox"/>
Sc_Axial	Sc Axial		96.306			<input checked="" type="checkbox"/>
Sc_Radial	Sc Radial		95.958			<input checked="" type="checkbox"/>

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Date:

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BLANK REPORT

Method: 6010

PE ICP2

Reported: 04/28/06 14:51:35

Department: 120 (Metals)

Source: OPTIMA

Sample: CCB

Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: PE 4300
 File: APR2806AX.csv # 17
 Acquired: 04/28/2006 09:12:56
 Calibrated: 04/28/2006 08:24:39

Channel 268
 Method 6010O
 PE ICP2

Units: mg/L

CASN	Analyte Name	Area	Amount	RL	MDL	%RSD	Q
7440-70-2	Calcium		0.00532	0.50	0.0067	0.00061	<input checked="" type="checkbox"/>
7439-95-4	Magnesium		-0.00197	0.50	0.012	0.0016	<input checked="" type="checkbox"/>
7440-66-6	Zinc		0.00025	0.0050	0.0033	0.00014	<input checked="" type="checkbox"/>
7429-90-5	Aluminum		0.00210	0.10	0.015	0.011	<input checked="" type="checkbox"/>
7439-89-6	Iron		0.00114	0.050	0.012	0.00024	<input checked="" type="checkbox"/>
7439-89-6	Iron		0.00464	0.050	0.012	0.0038	<input checked="" type="checkbox"/>
7440-23-5	Sodium		0.00191	0.50	0.0082	0.0048	<input checked="" type="checkbox"/>
7440-23-5	Sodium		-0.71761	0.50	0.0082	0.62	<input checked="" type="checkbox"/>
CASN	ISTD Name	Area	Amount				Q
A7440655	Y_Axial		99.698				<input checked="" type="checkbox"/>
R7440655	Y_Radial		97.595				<input checked="" type="checkbox"/>
In_Axial	In Axial		99.609				<input checked="" type="checkbox"/>
In_Radial	In Radial		101.23				<input checked="" type="checkbox"/>
Sc_Axial	Sc Axial		99.587				<input checked="" type="checkbox"/>
Sc_Radial	Sc Radial		97.569				<input checked="" type="checkbox"/>

Reviewed by:

Date:

STL Sacramento

CALIBRATION REPORT

Method: 6010

PE ICP2

Reported: 04/28/06 14:51:35

Department: 120 (Metals)

Source: OPTIMA

Sample: CCV (CCV)

Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: PE 4300
 File: APR2806AX.csv # 28
 Acquired: 04/28/2006 09:52:21
 Calibrated: 04/28/2006 08:24:39

Channel 268
 Method 6010O
 PE ICP2

Units: mg/L

CASN	Analyte Name	Area	Found	True	%R	Q
7440-70-2	Calcium		24.933	25.000	99.7	<input checked="" type="checkbox"/>
7439-95-4	Magnesium		25.264	25.000	101	<input checked="" type="checkbox"/>
7440-66-6	Zinc		2.5132	2.5000	101	<input checked="" type="checkbox"/>
7429-90-5	Aluminum		23.912	25.000	95.6	<input checked="" type="checkbox"/>
7439-89-6	Iron		25.287	25.000	101	<input checked="" type="checkbox"/>
7439-89-6	Iron		24.760	25.000	99.0	<input checked="" type="checkbox"/>
7440-23-5	Sodium		23.483	25.000	93.9	<input checked="" type="checkbox"/>
7440-23-5	Sodium		24.840	25.000	99.4	<input checked="" type="checkbox"/>
CASN	ISTD Name	Area	Amount			Q
A7440655	Y_Axial		94.125			<input checked="" type="checkbox"/>
R7440655	Y_Radial		96.753			<input checked="" type="checkbox"/>
In_Axial	In Axial		93.062			<input checked="" type="checkbox"/>
In_Radial	In Radial		99.275			<input checked="" type="checkbox"/>
Sc_Axial	Sc Axial		97.685			<input checked="" type="checkbox"/>
Sc_Radial	Sc Radial		98.161			<input checked="" type="checkbox"/>

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Date:

STL Sacramento

BLANK REPORT

Method: 6010

PE ICP2

Reported: 04/28/06 14:51:35

Department: 120 (Metals)

Source: OPTIMA

Sample: CCB

Mult: 1.00

Dilf:

1.00

Divs: 1.000

Instrument: PE 4300

Channel 268

File: APR2806AX.csv # 29

Method 6010O

Acquired: 04/28/2006 09:54:44

PE ICP2

Calibrated: 04/28/2006 08:24:39

Units: mg/L

CASN	Analyte Name	Area	Amount	RL	MDL	%RSD	Q
7440-70-2	Calcium		-0.00043	0.50	0.0067	0.0013	<input checked="" type="checkbox"/>
7439-95-4	Magnesium		0.00358	0.50	0.012	0.0052	<input checked="" type="checkbox"/>
7440-66-6	Zinc		0.00024	0.0050	0.0033	0.0000060	<input checked="" type="checkbox"/>
7429-90-5	Aluminum		0.00045	0.10	0.015	0.0089	<input checked="" type="checkbox"/>
7439-89-6	Iron		0.00179	0.050	0.012	0.00037	<input checked="" type="checkbox"/>
7439-89-6	Iron		0.00906	0.050	0.012	0.0045	<input checked="" type="checkbox"/>
7440-23-5	Sodium		0.00846	0.50	0.0082	0.013	<input checked="" type="checkbox"/>
7440-23-5	Sodium		-0.23385	0.50	0.0082	0.84	<input checked="" type="checkbox"/>
CASN	ISTD Name	Area	Amount				Q
A7440655	Y_Axial		100.07				<input checked="" type="checkbox"/>
R7440655	Y_Radial		101.36				<input checked="" type="checkbox"/>
In_Axial	In Axial		99.462				<input checked="" type="checkbox"/>
In_Radial	In Radial		102.16				<input checked="" type="checkbox"/>
Sc_Axial	Sc Axial		99.887				<input checked="" type="checkbox"/>
Sc_Radial	Sc Radial		101.17				<input checked="" type="checkbox"/>

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Date:

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Version: 6.02.068

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STL Sacramento

CALIBRATION REPORT

Method: 6010

PE ICP2

Reported: 04/28/06 14:51:35

Department: 120 (Metals)

Source: OPTIMA

Sample: CCV (CCV)

Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: PE 4300
 File: APR2806AX.csv # 40
 Acquired: 04/28/2006 10:33:28
 Calibrated: 04/28/2006 08:24:39

Channel 268

Method 6010O

PE ICP2

Units: mg/L

CASN	Analyte Name	Area	Found	True	%R	Q
7440-70-2	Calcium		24.924	25.000	99.7	<input checked="" type="checkbox"/>
7439-95-4	Magnesium		25.222	25.000	101	<input checked="" type="checkbox"/>
7440-66-6	Zinc		2.5366	2.5000	101	<input checked="" type="checkbox"/>
7429-90-5	Aluminum		24.814	25.000	99.3	<input checked="" type="checkbox"/>
7439-89-6	Iron		25.361	25.000	101	<input checked="" type="checkbox"/>
7439-89-6	Iron		24.736	25.000	98.9	<input checked="" type="checkbox"/>
7440-23-5	Sodium		24.253	25.000	97.0	<input checked="" type="checkbox"/>
7440-23-5	Sodium		24.465	25.000	97.9	<input checked="" type="checkbox"/>
CASN	ISTD Name	Area	Amount			Q
A7440655	Y_Axial		93.250			<input checked="" type="checkbox"/>
R7440655	Y_Radial		95.494			<input checked="" type="checkbox"/>
In_Axial	In Axial		92.202			<input checked="" type="checkbox"/>
In_Radial	In Radial		97.998			<input checked="" type="checkbox"/>
Sc_Axial	Sc Axial		97.345			<input checked="" type="checkbox"/>
Sc_Radial	Sc Radial		96.747			<input checked="" type="checkbox"/>

Reviewed by:

Date:

STL Sacramento

BLANK REPORT

Method: 6010

PE ICP2

Reported: 04/28/06 14:51:35

Department: 120 (Metals)

Source: OPTIMA

Sample: CCB

Mult: 1.00

Dilf:

1.00

Divs: 1.000

Instrument: PE 4300

Channel 268

File: APR2806AX.csv # 41

Method 6010O

Acquired: 04/28/2006 10:35:48

PE ICP2

Calibrated: 04/28/2006 08:24:39

Units: mg/L

CASN	Analyte Name	Area	Amount	RL	MDL	%RSD	Q
7440-70-2	Calcium		0.00284	0.50	0.0067	0.00035	<input checked="" type="checkbox"/>
7439-95-4	Magnesium		0.00823	0.50	0.012	0.0048	<input checked="" type="checkbox"/>
7440-66-6	Zinc		0.00057	0.0050	0.0033	0.000028	<input checked="" type="checkbox"/>
7429-90-5	Aluminum		0.00047	0.10	0.015	0.0061	<input checked="" type="checkbox"/>
7439-89-6	Iron		0.00146	0.050	0.012	0.000077	<input checked="" type="checkbox"/>
7439-89-6	Iron		0.01798	0.050	0.012	0.011	<input type="checkbox"/>
7440-23-5	Sodium		0.01461	0.50	0.0082	0.0067	<input checked="" type="checkbox"/>
7440-23-5	Sodium		-0.57645	0.50	0.0082	0.40	<input checked="" type="checkbox"/>
CASN	ISTD Name	Area	Amount				Q
A7440655	Y_Axial		100.14				<input checked="" type="checkbox"/>
R7440655	Y_Radial		100.90				<input checked="" type="checkbox"/>
In_Axial	In Axial		99.601				<input checked="" type="checkbox"/>
In_Radial	In Radial		101.75				<input checked="" type="checkbox"/>
Sc_Axial	Sc Axial		100.03				<input checked="" type="checkbox"/>
Sc_Radial	Sc Radial		100.74				<input checked="" type="checkbox"/>

Reviewed by:

Date:

STL Sacramento

CALIBRATION REPORT

Method: 6010

PE ICP2

Reported: 04/28/06 14:51:35

Department: 120 (Metals)

Source: OPTIMA

Sample: CCV (CCV)

Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: PE 4300
 File: APR2806AX.csv # 52
 Acquired: 04/28/2006 11:15:17
 Calibrated: 04/28/2006 08:24:39

Channel 268
 Method 6010O
 PE ICP2

Units: mg/L

CASN	Analyte Name	Area	Found	True	%R	Q
7440-70-2	Calcium		24.834	25.000	99.3	<input checked="" type="checkbox"/>
7439-95-4	Magnesium		25.259	25.000	101	<input checked="" type="checkbox"/>
7440-66-6	Zinc		2.5321	2.5000	101	<input checked="" type="checkbox"/>
7429-90-5	Aluminum		24.471	25.000	97.9	<input checked="" type="checkbox"/>
7439-89-6	Iron		25.357	25.000	101	<input checked="" type="checkbox"/>
7439-89-6	Iron		24.640	25.000	98.6	<input checked="" type="checkbox"/>
7440-23-5	Sodium		24.186	25.000	96.7	<input checked="" type="checkbox"/>
7440-23-5	Sodium		24.183	25.000	96.7	<input checked="" type="checkbox"/>
CASN	ISTD Name	Area	Amount			Q
A7440655	Y_Axial		94.337			<input checked="" type="checkbox"/>
R7440655	Y_Radial		96.152			<input checked="" type="checkbox"/>
In_Axial	In Axial		92.882			<input checked="" type="checkbox"/>
In_Radial	In Radial		98.238			<input checked="" type="checkbox"/>
Sc_Axial	Sc Axial		97.104			<input checked="" type="checkbox"/>
Sc_Radial	Sc Radial		97.389			<input checked="" type="checkbox"/>

Reviewed by:

Date:

STL Sacramento

BLANK REPORT

Method: 6010

PE ICP2

Reported: 04/28/06 14:51:35

Department: 120 (Metals)

Source: OPTIMA

Sample: CCB

Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: PE 4300

Channel 268

File: APR2806AX.csv # 53

Method 6010O

Acquired: 04/28/2006 11:17:41

PE ICP2

Calibrated: 04/28/2006 08:24:39

Units: mg/L

CASN	Analyte Name	Area	Amount	RL	MDL	%RSD	Q
7440-70-2	Calcium		-0.00342	0.50	0.0067	0.0060	<input checked="" type="checkbox"/>
7439-95-4	Magnesium		0.00050	0.50	0.012	0.0048	<input checked="" type="checkbox"/>
7440-66-6	Zinc		0.00043	0.0050	0.0033	0.000034	<input checked="" type="checkbox"/>
7429-90-5	Aluminum		-0.00071	0.10	0.015	0.0021	<input checked="" type="checkbox"/>
7439-89-6	Iron		0.00124	0.050	0.012	0.00023	<input checked="" type="checkbox"/>
7439-89-6	Iron		0.00617	0.050	0.012	0.00071	<input checked="" type="checkbox"/>
7440-23-5	Sodium		0.00344	0.50	0.0082	0.0037	<input checked="" type="checkbox"/>
7440-23-5	Sodium		-1.2161	0.50	0.0082	0.19	<input type="checkbox"/>
CASN	ISTD Name	Area	Amount				Q
A7440655	Y_Axial		100.44				<input checked="" type="checkbox"/>
R7440655	Y_Radial		99.011				<input checked="" type="checkbox"/>
In_Axial	In Axial		99.723				<input checked="" type="checkbox"/>
In_Radial	In Radial		102.52				<input checked="" type="checkbox"/>
Sc_Axial	Sc Axial		100.26				<input checked="" type="checkbox"/>
Sc_Radial	Sc Radial		98.905				<input checked="" type="checkbox"/>

Reviewed by:

Date:

STL Sacramento

CALIBRATION REPORT

Method: 6010

PE ICP2

Reported: 04/28/06 14:51:35

Department: 120 (Metals)

Source: OPTIMA

Sample: CCV (CCV)

Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: PE 4300
 File: APR2806AX.csv # 57
 Acquired: 04/28/2006 11:32:05
 Calibrated: 04/28/2006 08:24:39

Channel 268
 Method 6010O
 PE ICP2

Units: mg/L

CASN	Analyte Name	Area	Found	True	%R	Q
7440-70-2	Calcium		25.257	25.000	101	<input checked="" type="checkbox"/>
7439-95-4	Magnesium		25.666	25.000	103	<input checked="" type="checkbox"/>
7440-66-6	Zinc		2.6518	2.5000	102	<input checked="" type="checkbox"/>
7429-90-5	Aluminum		24.507	25.000	98.0	<input checked="" type="checkbox"/>
7439-89-6	Iron		25.594	25.000	102	<input checked="" type="checkbox"/>
7439-89-6	Iron		25.041	25.000	100	<input checked="" type="checkbox"/>
7440-23-5	Sodium		24.055	25.000	96.2	<input checked="" type="checkbox"/>
7440-23-5	Sodium		25.739	25.000	103	<input checked="" type="checkbox"/>
CASN	ISTD Name	Area	Amount			Q
A7440655	Y_Axial		94.226			<input checked="" type="checkbox"/>
R7440655	Y_Radial		96.569			<input checked="" type="checkbox"/>
In_Axial	In Axial		93.140			<input checked="" type="checkbox"/>
In_Radial	In Radial		99.669			<input checked="" type="checkbox"/>
Sc_Axial	Sc Axial		97.016			<input checked="" type="checkbox"/>
Sc_Radial	Sc Radial		97.996			<input checked="" type="checkbox"/>

Reviewed by:

Date:

STL Sacramento

BLANK REPORT

Method: 6010

PE ICP2

Reported: 04/28/06 14:51:35

Department: 120 (Metals)

Source: OPTIMA

Sample: CCB

Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: PE 4300

Channel 268

File: APR2806AX.csv # 58

Method 6010O

Acquired: 04/28/2006 11:34:28

PE ICP2

Calibrated: 04/28/2006 08:24:39

Units: mg/L

CASN	Analyte Name	Area	Amount	RL	MDL	%RSD	Q
7440-70-2	Calcium		-0.00001	0.50	0.0067	0.0012	<input checked="" type="checkbox"/>
7439-95-4	Magnesium		0.00120	0.50	0.012	0.0024	<input checked="" type="checkbox"/>
7440-66-6	Zinc		0.00039	0.0050	0.0033	0.000026	<input checked="" type="checkbox"/>
7429-90-5	Aluminum		-0.00505	0.10	0.015	0.0053	<input checked="" type="checkbox"/>
7439-89-6	Iron		0.00201	0.050	0.012	0.00050	<input checked="" type="checkbox"/>
7439-89-6	Iron		0.00831	0.050	0.012	0.00027	<input checked="" type="checkbox"/>
7440-23-5	Sodium		0.01099	0.50	0.0082	0.018	<input checked="" type="checkbox"/>
7440-23-5	Sodium		-0.93103	0.50	0.0082	0.68	<input checked="" type="checkbox"/>
CASN	ISTD Name	Area	Amount				Q
A7440655	Y_Axial		100.69				<input checked="" type="checkbox"/>
R7440655	Y_Radial		100.91				<input checked="" type="checkbox"/>
In_Axial	In Axial		99.876				<input checked="" type="checkbox"/>
In_Radial	In Radial		102.45				<input checked="" type="checkbox"/>
Sc_Axial	Sc Axial		100.48				<input checked="" type="checkbox"/>
Sc_Radial	Sc Radial		100.79				<input checked="" type="checkbox"/>

Reviewed by:

Date:

STL Sacramento

RUN SUMMARY

Method: 6020 (SOP: SAC-MT-001)

Instrument: M01

Reported: 04/28/06 14:11:42

File ID: 060426B1

Analyst: jonesb

#	Sample ID	Lot No.	Batch	DF	Analyzed Date	Comment	Q
1	H3D0P n.i.	G6D150171-4	6116313	2A	1.0 04/26/06 16:12		<input type="checkbox"/>
2	H3RG3 n.i.	G6D210149-3	6116313	2A	1.0 04/26/06 16:15		<input type="checkbox"/>
3	H3EVF n.i.	G6D170132-1	6116313	2A	1.0 04/26/06 16:18		<input type="checkbox"/>
4	H3KFF n.i.	G6D190170-1	6116334	2A	1.0 04/26/06 16:20		<input type="checkbox"/>
5	H34FK n.i.	G6D260199-1	6116358	2A	1.0 04/26/06 16:23		<input type="checkbox"/>
6	H34CQ n.i.	G6D260189-1	6116363	2A	1.0 04/26/06 16:26		<input type="checkbox"/>
7	H337F n.i.	G6D260176-1	6116360	2A	1.0 04/26/06 16:29		<input type="checkbox"/>
8	Rinse 3X				3.0 04/26/06 16:37		<input type="checkbox"/>
9	Blank				1.0 04/26/06 16:42		<input type="checkbox"/>
10	Standard 1				1.0 04/26/06 16:46		<input type="checkbox"/>
11	ICV				1.0 04/26/06 16:51		<input type="checkbox"/>
12	ICB				1.0 04/26/06 16:55		<input type="checkbox"/>
13	ICSA				1.0 04/26/06 16:59		<input type="checkbox"/>
14	ICSAB				1.0 04/26/06 17:04		<input type="checkbox"/>
15	Rinse				1.0 04/26/06 17:11		<input type="checkbox"/>
16	FB-F1685532				1.0 04/26/06 17:16		<input type="checkbox"/>
17	FB-F1685532				1.0 04/26/06 17:20		<input type="checkbox"/>
18	CCV 1				1.0 04/26/06 17:24		<input type="checkbox"/>
19	CCB 1				1.0 04/26/06 17:29		<input type="checkbox"/>
20	CCV 2				1.0 04/26/06 17:33		<input type="checkbox"/>
21	CCB 2				1.0 04/26/06 17:37		<input type="checkbox"/>
22	H3396B	G6D260000	6116313	2A	1.0 04/26/06 17:42		<input type="checkbox"/>
23	H3396C	G6D260000	6116313	2A	1.0 04/26/06 17:46		<input type="checkbox"/>
24	H3396L	G6D260000	6116313	2A	1.0 04/26/06 17:50		<input type="checkbox"/>
25	H3EVF	G6D170132-1	6116313	2A	1.0 04/26/06 17:55		<input type="checkbox"/>
26	H3EVFP5	G6D170132	6116313		5.0 04/26/06 17:59		<input type="checkbox"/>
27	H3EVFZ	G6D170132-1	6116313		1.0 04/26/06 18:03		<input type="checkbox"/>
28	H3D0P	G6D150171-4	6116313	2A	1.0 04/26/06 18:07		<input type="checkbox"/>
29	H3D0V	G6D150171-5	6116313	2A	1.0 04/26/06 18:12		<input type="checkbox"/>
30	H3D0W	G6D150171-6	6116313	2A	1.0 04/26/06 18:16		<input type="checkbox"/>
31	H3RG3	G6D210149-3	6116313	2A	1.0 04/26/06 18:20		<input type="checkbox"/>
32	CCV 3				1.0 04/26/06 18:25		<input type="checkbox"/>
33	CCB 3				1.0 04/26/06 18:29		<input type="checkbox"/>
34	CCV 4				1.0 04/26/06 18:33		<input type="checkbox"/>
35	CCB 4				1.0 04/26/06 18:38		<input type="checkbox"/>
36	H3EVH	G6D170132-2	6116313	2A	1.0 04/26/06 18:42		<input type="checkbox"/>
37	H3EVK	G6D170132-3	6116313	2A	1.0 04/26/06 18:46		<input type="checkbox"/>
38	H3EVL	G6D170132-4	6116313	2A	1.0 04/26/06 18:51		<input type="checkbox"/>
39	H3EVM	G6D170132-5	6116313	2A	1.0 04/26/06 18:55		<input type="checkbox"/>
40	H3EVN	G6D170132-6	6116313	2A	1.0 04/26/06 18:59		<input type="checkbox"/>
41	H3EVQ	G6D170132-7	6116313	2A	1.0 04/26/06 19:04		<input type="checkbox"/>
42	H3EVT	G6D170132-8	6116313	2A	1.0 04/26/06 19:08		<input type="checkbox"/>
43	H3EV2	G6D170132-9	6116313	2A	1.0 04/26/06 19:12		<input type="checkbox"/>
44	H3EV3	G6D170132-10	6116313	2A	1.0 04/26/06 19:17		<input type="checkbox"/>
45	H3EV6	G6D170132-11	6116313	2A	1.0 04/26/06 19:21		<input type="checkbox"/>
46	CCV 5				1.0 04/26/06 19:26		<input type="checkbox"/>

STL Sacramento

RUN SUMMARY

Method: 6020 (SOP: SAC-MT-001)

Instrument: M01

Reported: 04/28/06 14:11:42

File ID: 060426B1

Analyst: jonesb

#	Sample ID	Lot No.	Batch	DF	Analyzed Date	Comment	Q
47	CCB 5				1.0 04/26/06 19:30		<input type="checkbox"/>
48	CCV 6				1.0 04/26/06 19:34		<input type="checkbox"/>
49	CCB 6				1.0 04/26/06 19:39		<input type="checkbox"/>
50	H34E1C	G6D260000	6116334	2A	1.0 04/26/06 19:43		<input type="checkbox"/>
51	H34E1L	G6D260000	6116334	2A	1.0 04/26/06 19:47		<input type="checkbox"/>
52	Rinse				1.0 04/26/06 19:51		<input type="checkbox"/>
53	H34E1B	G6D260000	6116334	2A	1.0 04/26/06 19:56		<input type="checkbox"/>
54	H3KFF	G6D190170-1	6116334	2A	1.0 04/26/06 20:00		<input type="checkbox"/>
55	H3KFFP5	G6D190170	6116334		5.0 04/26/06 20:04		<input type="checkbox"/>
56	H3KFFZ	G6D190170-1	6116334		1.0 04/26/06 20:09		<input type="checkbox"/>
57	CCV 7				1.0 04/26/06 20:13		<input type="checkbox"/>
58	CCB 7				1.0 04/26/06 20:17		<input type="checkbox"/>
59	CCV 8				1.0 04/26/06 20:22		<input type="checkbox"/>
60	CCB 8				1.0 04/26/06 20:26		<input type="checkbox"/>
61	H3EV7	G6D170132-12	6116313	2A	1.0 04/26/06 20:30		<input type="checkbox"/>
62	H3EV8	G6D170132-13	6116313	2A	1.0 04/26/06 20:35		<input type="checkbox"/>
63	H3KFG	G6D190170-2	6116334	2A	1.0 04/26/06 20:39		<input type="checkbox"/>
64	H3KFH	G6D190170-3	6116334	2A	1.0 04/26/06 20:44		<input type="checkbox"/>
65	H3KFJ	G6D190170-4	6116334	2A	1.0 04/26/06 20:48		<input type="checkbox"/>
66	H3KFL	G6D190170-5	6116334	2A	1.0 04/26/06 20:52		<input type="checkbox"/>
67	H3KFM	G6D190170-6	6116334	2A	1.0 04/26/06 20:56		<input type="checkbox"/>
68	CCV 9				1.0 04/26/06 21:01		<input type="checkbox"/>
69	CCB 9				1.0 04/26/06 21:05		<input type="checkbox"/>
70	CCV 10				1.0 04/26/06 21:09		<input type="checkbox"/>
71	CCB 10				1.0 04/26/06 21:14		<input type="checkbox"/>
72	H3KFP	G6D190170-7	6116334	2A	1.0 04/26/06 21:18		<input type="checkbox"/>
73	H3KFQ	G6D190170-8	6116334	2A	1.0 04/26/06 21:22		<input type="checkbox"/>
74	H3KFR	G6D190170-9	6116334	2A	1.0 04/26/06 21:27		<input type="checkbox"/>
75	H3KFT	G6D190170-10	6116334	2A	1.0 04/26/06 21:31		<input type="checkbox"/>
76	H3KFV	G6D190170-11	6116334	2A	1.0 04/26/06 21:36		<input type="checkbox"/>
77	H3KFW	G6D190170-12	6116334	2A	1.0 04/26/06 21:40		<input type="checkbox"/>
78	H3KFX	G6D190170-13	6116334	2A	1.0 04/26/06 21:44		<input type="checkbox"/>
79	H3KF0	G6D190170-14	6116334	2A	1.0 04/26/06 21:49		<input type="checkbox"/>
80	CCV 11				1.0 04/26/06 21:53		<input type="checkbox"/>
81	CCB 11				1.0 04/26/06 21:57		<input type="checkbox"/>
82	CCV 12				1.0 04/26/06 22:02		<input type="checkbox"/>
83	CCB 12				1.0 04/26/06 22:05		<input type="checkbox"/>
84	CCV 13				1.0 04/26/06 22:09		<input type="checkbox"/>
85	CCB 13				1.0 04/26/06 22:13		<input type="checkbox"/>
86	H34JVC	G6D260000	6116358	2A	1.0 04/26/06 22:16		<input type="checkbox"/>
87	H34JVL	G6D260000	6116358	2A	1.0 04/26/06 22:20		<input type="checkbox"/>
88	Rinse				1.0 04/26/06 22:23		<input type="checkbox"/>
89	H34JVB	G6D260000	6116358	2A	1.0 04/26/06 22:27		<input type="checkbox"/>
90	H34FK	G6D260199-1	6116358	2A	1.0 04/26/06 22:31		<input type="checkbox"/>
91	H34FKP5	G6D260199	6116358		5.0 04/26/06 22:34		<input type="checkbox"/>
92	H34FKZ	G6D260199-1	6116358		1.0 04/26/06 22:38		<input type="checkbox"/>

STL Sacramento

RUN SUMMARY

Method: 6020 (SOP: SAC-MT-001)

Instrument: M01

Reported: 04/28/06 14:11:42

File ID: 060426B1

Analyst: jonesb

#	Sample ID	Lot No.	Batch	DF	Analyzed Date	Comment	Q
93	H34FQ	G6D260199-2	6116358	2A	1.0 04/26/06 22:41		<input type="checkbox"/>
94	H34FR	G6D260199-3	6116358	2A	1.0 04/26/06 22:45		<input type="checkbox"/>
95	H34FV	G6D260199-4	6116358	2A	1.0 04/26/06 22:49		<input type="checkbox"/>
96	CCV 14				1.0 04/26/06 22:52		<input type="checkbox"/>
97	CCB 14				1.0 04/26/06 22:56		<input type="checkbox"/>
98	CCV 15				1.0 04/26/06 22:59		<input type="checkbox"/>
99	CCB 15				1.0 04/26/06 23:03		<input type="checkbox"/>
100	H34KMC	G6D260000	6116363	2A	1.0 04/26/06 23:07		<input type="checkbox"/>
101	H34KML	G6D260000	6116363	2A	1.0 04/26/06 23:10		<input type="checkbox"/>
102	Rinse				1.0 04/26/06 23:14		<input type="checkbox"/>
103	H34KMB	G6D260000	6116363	2A	1.0 04/26/06 23:17		<input type="checkbox"/>
104	H34CQ	G6D260189-1	6116363	2A	1.0 04/26/06 23:21		<input type="checkbox"/>
105	H34CQP5	G6D260189	6116363		5.0 04/26/06 23:25		<input type="checkbox"/>
106	H34CQX	G6D260189-1	6116363	2A	1.0 04/26/06 23:28		<input type="checkbox"/>
107	H34CQZ	G6D260189-1	6116363		1.0 04/26/06 23:32		<input type="checkbox"/>
108	H34CW	G6D260189-2	6116363	2A	1.0 04/26/06 23:35		<input type="checkbox"/>
109	H34CX	G6D260189-3	6116363	2A	1.0 04/26/06 23:39		<input type="checkbox"/>
110	CCV 16				1.0 04/26/06 23:43		<input type="checkbox"/>
111	CCB 16				1.0 04/26/06 23:46		<input type="checkbox"/>
112	CCV 17				1.0 04/26/06 23:50		<input type="checkbox"/>
113	CCB 17				1.0 04/26/06 23:54		<input type="checkbox"/>
114	H34C0	G6D260189-4	6116363	2A	1.0 04/26/06 23:57		<input type="checkbox"/>
115	H34C2	G6D260189-5	6116363	2A	1.0 04/27/06 00:01		<input type="checkbox"/>
116	H34C3	G6D260189-6	6116363	2A	1.0 04/27/06 00:04		<input type="checkbox"/>
117	H34C4	G6D260189-7	6116363	2A	1.0 04/27/06 00:08		<input type="checkbox"/>
118	H34C5	G6D260189-8	6116363	2A	1.0 04/27/06 00:12		<input type="checkbox"/>
119	H34C6	G6D260189-9	6116363	2A	1.0 04/27/06 00:15		<input type="checkbox"/>
120	H34C7	G6D260189-10	6116363	2A	1.0 04/27/06 00:19		<input type="checkbox"/>
121	H34C8	G6D260189-11	6116363	2A	1.0 04/27/06 00:22		<input type="checkbox"/>
122	H34C9	G6D260189-12	6116363	2A	1.0 04/27/06 00:26		<input type="checkbox"/>
123	H34DA	G6D260189-13	6116363	2A	1.0 04/27/06 00:30		<input type="checkbox"/>
124	CCV 18				1.0 04/27/06 00:33		<input type="checkbox"/>
125	CCB 18				1.0 04/27/06 00:37		<input type="checkbox"/>
126	CCV 19				1.0 04/27/06 00:41		<input type="checkbox"/>
127	CCB 19				1.0 04/27/06 00:44		<input type="checkbox"/>
128	H34J3B	G6D260000	6116360	2A	1.0 04/27/06 00:48		<input type="checkbox"/>
129	H34J3C	G6D260000	6116360	2A	1.0 04/27/06 00:52		<input type="checkbox"/>
130	H34J3L	G6D260000	6116360	2A	1.0 04/27/06 00:55		<input type="checkbox"/>
131	H337F	G6D260176-1	6116360	2A	1.0 04/27/06 00:59		<input type="checkbox"/>
132	H337FP5	G6D260176	6116360		5.0 04/27/06 01:02		<input type="checkbox"/>
133	H337FX	G6D260176-1	6116360	2A	1.0 04/27/06 01:06		<input type="checkbox"/>
134	H337FZ	G6D260176-1	6116360		1.0 04/27/06 01:09		<input type="checkbox"/>
135	H337Q	G6D260176-2	6116360	2A	1.0 04/27/06 01:13		<input type="checkbox"/>
136	H337R	G6D260176-3	6116360	2A	1.0 04/27/06 01:16		<input type="checkbox"/>
137	H337V	G6D260176-4	6116360	2A	1.0 04/27/06 01:20		<input type="checkbox"/>
138	CCV 20				1.0 04/27/06 01:24		<input type="checkbox"/>

STL Sacramento

RUN SUMMARY

Method: 6020 (SOP: SAC-MT-001)

Instrument: M01

Reported: 04/28/06 14:11:42

File ID: 060426B1

Analyst: jonesb

#	Sample ID	Lot No.	Batch	DF	Analyzed Date	Comment	Q
139	CCB 20				1.0 04/27/06 01:27		<input type="checkbox"/>
140	CCV 21				1.0 04/27/06 01:31		<input type="checkbox"/>
141	CCB 21				1.0 04/27/06 01:35		<input type="checkbox"/>
142	H337W	G6D260176-5	6116360	2A	1.0 04/27/06 01:38		<input type="checkbox"/>
143	H337X	G6D260176-6	6116360	2A	1.0 04/27/06 01:42		<input type="checkbox"/>
144	H337I	G6D260176-7	6116360	2A	1.0 04/27/06 01:45		<input type="checkbox"/>
145	H338A	G6D260176-8	6116360	2A	1.0 04/27/06 01:49		<input type="checkbox"/>
146	H338D	G6D260176-9	6116360	2A	1.0 04/27/06 01:53		<input type="checkbox"/>
147	H338E	G6D260176-10	6116360	2A	1.0 04/27/06 01:56		<input type="checkbox"/>
148	H338F	G6D260176-11	6116360	2A	1.0 04/27/06 02:00		<input type="checkbox"/>
149	H338G	G6D260176-12	6116360	2A	1.0 04/27/06 02:03		<input type="checkbox"/>
150	H338H	G6D260176-13	6116360	2A	1.0 04/27/06 02:07		<input type="checkbox"/>
151	H338J	G6D260176-14	6116360	2A	1.0 04/27/06 02:11		<input type="checkbox"/>
152	CCV 22				1.0 04/27/06 02:14		<input type="checkbox"/>
153	CCB 22				1.0 04/27/06 02:18		<input type="checkbox"/>

Method: 6020 (SOP: SAC-MT-001)

M01 (M01)

Reported: 04/28/06 14:11:42

File ID: 060426B1

Analyst: ionesb

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
1	H3D0P n.i.	04/26/06 16:12	0.1	0.0	0.1	0.0	<input type="checkbox"/>
2	H3RG3 n.i.	04/26/06 16:15	0.2	0.0	0.1	0.0	<input type="checkbox"/>
3	H3EVF n.i.	04/26/06 16:18	0.0	0.0	0.0	0.0	<input type="checkbox"/>
4	H3KFF n.i.	04/26/06 16:20	0.0	0.0	0.0	0.0	<input type="checkbox"/>
5	H34FK n.i.	04/26/06 16:23	0.1	0.0	0.0	0.0	<input type="checkbox"/>
6	H34CQ n.i.	04/26/06 16:26	0.1	0.0	0.0	0.0	<input type="checkbox"/>
7	H337F n.i.	04/26/06 16:29	0.1	0.4	0.0	0.0	<input type="checkbox"/>
8	Rinse 3X	04/26/06 16:37	96.5	99.5	99.4	98.2	<input type="checkbox"/>
9	Blank	04/26/06 16:42	100.0	100.0	100.0	100.0	<input checked="" type="checkbox"/>
10	Standard 1	04/26/06 16:46	93.7	96.3	99.9	96.2	<input checked="" type="checkbox"/>
11	ICV	04/26/06 16:51	91.0	94.6	99.9	92.6	<input checked="" type="checkbox"/>
12	ICB	04/26/06 16:55	91.2	95.6	101.3	92.4	<input checked="" type="checkbox"/>
13	ICSA	04/26/06 16:59	75.5	80.1	80.9	85.5	<input checked="" type="checkbox"/>
14	ICSAB	04/26/06 17:04	77.2	85.1	79.0	87.1	<input checked="" type="checkbox"/>
15	Rinse	04/26/06 17:11	93.0	101.8	101.3	101.2	<input checked="" type="checkbox"/>
16	FB-F1685532	04/26/06 17:16	98.7	102.0	96.3	100.8	<input checked="" type="checkbox"/>
17	FB-F1685532	04/26/06 17:20	96.2	99.7	99.0	100.1	<input checked="" type="checkbox"/>
18	CCV 1	04/26/06 17:24	88.9	94.4	100.4	94.1	<input checked="" type="checkbox"/>
19	CCB 1	04/26/06 17:29	90.9	96.1	99.7	93.7	<input checked="" type="checkbox"/>
20	CCV 2	04/26/06 17:33	90.3	94.8	99.5	95.0	<input checked="" type="checkbox"/>
21	CCB 2	04/26/06 17:37	91.7	96.5	99.3	94.4	<input checked="" type="checkbox"/>
22	H3396B	04/26/06 17:42	97.4	99.6	95.0	99.4	<input checked="" type="checkbox"/>
23	H3396C	04/26/06 17:46	90.9	96.7	97.5	95.4	<input checked="" type="checkbox"/>
24	H3396L	04/26/06 17:50	88.8	96.0	99.7	94.6	<input checked="" type="checkbox"/>
25	H3EVF	04/26/06 17:55	93.3	95.8	97.5	95.6	<input checked="" type="checkbox"/>
26	H3EVFP5	04/26/06 17:59	89.7	95.7	104.0	94.2	<input type="checkbox"/>
27	H3EVFZ	04/26/06 18:03	91.1	95.3	97.1	94.4	<input checked="" type="checkbox"/>
28	H3D0P	04/26/06 18:07	92.5	97.5	100.5	97.2	<input checked="" type="checkbox"/>
29	H3D0V	04/26/06 18:12	95.9	98.2	97.0	97.2	<input checked="" type="checkbox"/>
30	H3D0W	04/26/06 18:16	97.4	98.2	96.9	99.5	<input checked="" type="checkbox"/>
31	H3RG3	04/26/06 18:20	97.1	99.0	95.3	99.8	<input checked="" type="checkbox"/>
32	CCV 3	04/26/06 18:25	90.6	94.0	98.4	94.9	<input checked="" type="checkbox"/>
33	CCB 3	04/26/06 18:29	92.7	95.9	102.4	96.0	<input checked="" type="checkbox"/>
34	CCV 4	04/26/06 18:33	91.5	93.4	99.4	95.4	<input checked="" type="checkbox"/>
35	CCB 4	04/26/06 18:38	92.7	96.2	100.7	96.7	<input checked="" type="checkbox"/>
36	H3EVH	04/26/06 18:42	101.4	99.8	96.2	100.6	<input checked="" type="checkbox"/>
37	H3EVK	04/26/06 18:46	100.0	101.0	96.8	101.2	<input checked="" type="checkbox"/>
38	H3EVL	04/26/06 18:51	101.1	101.0	98.6	102.6	<input checked="" type="checkbox"/>
39	H3EVM	04/26/06 18:55	100.1	100.4	96.8	100.7	<input checked="" type="checkbox"/>
40	H3EVN	04/26/06 18:59	101.8	101.9	97.6	103.7	<input checked="" type="checkbox"/>
41	H3EVQ	04/26/06 19:04	102.1	102.4	96.4	103.3	<input checked="" type="checkbox"/>
42	H3EVT	04/26/06 19:08	100.7	102.7	98.3	104.1	<input checked="" type="checkbox"/>
43	H3EV2	04/26/06 19:12	102.5	102.3	97.3	103.3	<input checked="" type="checkbox"/>
44	H3EV3	04/26/06 19:17	102.8	102.9	98.5	104.5	<input checked="" type="checkbox"/>
45	H3EV6	04/26/06 19:21	103.0	102.8	96.7	104.7	<input checked="" type="checkbox"/>
46	CCV 5	04/26/06 19:26	92.8	95.1	99.2	96.5	<input checked="" type="checkbox"/>

Method: 6020 (SOP: SAC-MT-001)

M01 (M01)

Reported: 04/28/06 14:11:42

File ID: 060426B1

Analyst: ionesb

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
47	CCB 5	04/26/06 19:30	92.8	96.1	101.4	96.5	<input checked="" type="checkbox"/>
48	CCV 6	04/26/06 19:34	91.5	94.1	98.6	95.1	<input checked="" type="checkbox"/>
49	CCB 6	04/26/06 19:39	92.5	95.9	99.6	95.2	<input checked="" type="checkbox"/>
50	H34E1C	04/26/06 19:43	93.6	97.8	100.1	98.9	<input checked="" type="checkbox"/>
51	H34E1L	04/26/06 19:47	91.3	96.4	100.1	97.1	<input checked="" type="checkbox"/>
52	Rinse	04/26/06 19:51	89.6	95.9	105.3	94.7	<input checked="" type="checkbox"/>
53	H34E1B	04/26/06 19:56	95.0	99.1	100.8	99.4	<input checked="" type="checkbox"/>
54	H3KFF	04/26/06 20:00	96.3	99.5	102.2	100.7	<input checked="" type="checkbox"/>
55	H3KFFP5	04/26/06 20:04	92.2	97.7	105.0	97.4	<input type="checkbox"/>
56	H3KFFZ	04/26/06 20:09	92.4	97.7	100.5	98.1	<input checked="" type="checkbox"/>
57	CCV 7	04/26/06 20:13	88.5	93.7	102.6	93.7	<input checked="" type="checkbox"/>
58	CCB 7	04/26/06 20:17	89.7	94.1	102.6	93.3	<input checked="" type="checkbox"/>
59	CCV 8	04/26/06 20:22	90.6	93.1	102.4	94.6	<input checked="" type="checkbox"/>
60	CCB 8	04/26/06 20:26	91.8	95.1	102.4	95.1	<input checked="" type="checkbox"/>
61	H3EV7	04/26/06 20:30	99.8	99.5	98.8	99.4	<input checked="" type="checkbox"/>
62	H3EV8	04/26/06 20:35	97.3	99.4	98.4	99.2	<input checked="" type="checkbox"/>
63	H3KFG	04/26/06 20:39	99.5	101.5	101.3	101.9	<input checked="" type="checkbox"/>
64	H3KFH	04/26/06 20:44	102.0	102.1	99.9	102.7	<input checked="" type="checkbox"/>
65	H3KFJ	04/26/06 20:48	103.8	104.4	101.1	104.7	<input checked="" type="checkbox"/>
66	H3KFL	04/26/06 20:52	103.6	104.0	100.5	104.6	<input checked="" type="checkbox"/>
67	H3KFM	04/26/06 20:56	106.3	105.9	100.0	105.2	<input checked="" type="checkbox"/>
68	CCV 9	04/26/06 21:01	98.1	98.2	103.0	100.1	<input checked="" type="checkbox"/>
69	CCB 9	04/26/06 21:05	98.2	99.5	102.4	99.4	<input checked="" type="checkbox"/>
70	CCV 10	04/26/06 21:09	95.9	97.0	100.7	97.8	<input checked="" type="checkbox"/>
71	CCB 10	04/26/06 21:14	98.3	98.7	103.1	99.3	<input checked="" type="checkbox"/>
72	H3KFP	04/26/06 21:18	101.9	102.3	100.8	104.0	<input checked="" type="checkbox"/>
73	H3KFQ	04/26/06 21:22	105.4	103.4	99.0	103.0	<input checked="" type="checkbox"/>
74	H3KFR	04/26/06 21:27	108.5	104.5	97.8	104.7	<input checked="" type="checkbox"/>
75	H3KFT	04/26/06 21:31	107.5	103.9	97.7	104.8	<input checked="" type="checkbox"/>
76	H3KFW	04/26/06 21:36	108.7	105.1	98.7	105.0	<input checked="" type="checkbox"/>
77	H3KFW	04/26/06 21:40	108.6	105.0	97.8	105.0	<input checked="" type="checkbox"/>
78	H3KFX	04/26/06 21:44	108.0	105.6	99.6	107.1	<input checked="" type="checkbox"/>
79	H3KF0	04/26/06 21:49	107.4	106.1	99.8	106.7	<input checked="" type="checkbox"/>
80	CCV 11	04/26/06 21:53	99.8	100.1	103.7	101.6	<input checked="" type="checkbox"/>
81	CCB 11	04/26/06 21:57	99.6	99.3	103.6	100.3	<input checked="" type="checkbox"/>
82	CCV 12	04/26/06 22:02	96.9	97.0	102.8	98.4	<input checked="" type="checkbox"/>
83	CCB 12	04/26/06 22:05	98.6	100.7	105.4	99.9	<input checked="" type="checkbox"/>
84	CCV 13	04/26/06 22:09	97.5	97.6	103.5	99.4	<input checked="" type="checkbox"/>
85	CCB 13	04/26/06 22:13	99.1	99.4	105.1	99.4	<input checked="" type="checkbox"/>
86	H34JVC	04/26/06 22:16	98.3	102.9	102.1	103.1	<input checked="" type="checkbox"/>
87	H34JVL	04/26/06 22:20	97.0	103.5	104.5	103.6	<input checked="" type="checkbox"/>
88	Rinse	04/26/06 22:23	96.8	100.0	106.0	100.2	<input checked="" type="checkbox"/>
89	H34JVB	04/26/06 22:27	98.8	105.7	104.7	105.3	<input checked="" type="checkbox"/>
90	H34FK	04/26/06 22:31	100.2	105.9	106.5	106.0	<input checked="" type="checkbox"/>
91	H34FKP5	04/26/06 22:34	100.0	102.7	107.0	102.4	<input type="checkbox"/>
92	H34FKZ	04/26/06 22:38	99.8	105.2	105.5	106.5	<input checked="" type="checkbox"/>

Method: 6020 (SOP: SAC-MT-001)

M01 (M01)

Reported: 04/28/06 14:11:42

File ID: 060426B1

Analyst: ionesb

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
93	H34FQ	04/26/06 22:41	100.2	106.6	104.3	107.4	<input checked="" type="checkbox"/>
94	H34FR	04/26/06 22:45	101.6	107.1	106.0	108.3	<input checked="" type="checkbox"/>
95	H34FV	04/26/06 22:49	101.5	107.4	106.7	109.0	<input checked="" type="checkbox"/>
96	CCV 14	04/26/06 22:52	98.2	100.6	106.7	101.2	<input checked="" type="checkbox"/>
97	CCB 14	04/26/06 22:56	101.0	104.3	108.2	103.5	<input checked="" type="checkbox"/>
98	CCV 15	04/26/06 22:59	99.5	100.5	106.9	102.3	<input checked="" type="checkbox"/>
99	CCB 15	04/26/06 23:03	101.3	103.5	107.1	103.5	<input checked="" type="checkbox"/>
100	H34KMC	04/26/06 23:07	99.7	106.3	105.0	106.2	<input checked="" type="checkbox"/>
101	H34KML	04/26/06 23:10	99.3	107.2	106.9	107.4	<input checked="" type="checkbox"/>
102	Rinse	04/26/06 23:14	99.1	103.6	109.2	103.6	<input checked="" type="checkbox"/>
103	H34KMB	04/26/06 23:17	100.9	107.3	106.2	107.6	<input checked="" type="checkbox"/>
104	H34CQ	04/26/06 23:21	103.1	106.9	104.4	108.1	<input checked="" type="checkbox"/>
105	H34CQP5	04/26/06 23:25	103.0	106.5	107.6	106.2	<input type="checkbox"/>
106	H34CQX	04/26/06 23:28	104.4	107.8	104.3	108.7	<input checked="" type="checkbox"/>
107	H34CQZ	04/26/06 23:32	102.1	107.5	104.7	107.9	<input checked="" type="checkbox"/>
108	H34CW	04/26/06 23:35	101.7	108.3	105.6	107.8	<input checked="" type="checkbox"/>
109	H34CX	04/26/06 23:39	103.3	109.2	106.4	109.6	<input checked="" type="checkbox"/>
110	CCV 16	04/26/06 23:43	101.3	104.2	107.1	104.7	<input checked="" type="checkbox"/>
111	CCB 16	04/26/06 23:46	102.1	104.9	108.5	104.3	<input checked="" type="checkbox"/>
112	CCV 17	04/26/06 23:50	101.7	102.6	107.0	103.3	<input checked="" type="checkbox"/>
113	CCB 17	04/26/06 23:54	103.2	106.0	109.0	104.0	<input checked="" type="checkbox"/>
114	H34C0	04/26/06 23:57	104.6	109.1	104.4	109.6	<input checked="" type="checkbox"/>
115	H34C2	04/27/06 00:01	105.6	109.6	104.0	109.4	<input checked="" type="checkbox"/>
116	H34C3	04/27/06 00:04	105.9	108.4	102.6	109.3	<input checked="" type="checkbox"/>
117	H34C4	04/27/06 00:08	107.4	110.2	103.8	110.0	<input checked="" type="checkbox"/>
118	H34C5	04/27/06 00:12	107.5	109.9	105.1	109.9	<input checked="" type="checkbox"/>
119	H34C6	04/27/06 00:15	107.1	109.8	104.7	109.6	<input checked="" type="checkbox"/>
120	H34C7	04/27/06 00:19	106.8	110.0	103.6	110.7	<input checked="" type="checkbox"/>
121	H34C8	04/27/06 00:22	107.5	109.4	104.3	110.3	<input checked="" type="checkbox"/>
122	H34C9	04/27/06 00:26	106.8	109.1	104.6	111.0	<input checked="" type="checkbox"/>
123	H34DA	04/27/06 00:30	107.8	111.5	104.2	109.8	<input checked="" type="checkbox"/>
124	CCV 18	04/27/06 00:33	102.7	104.5	106.7	105.2	<input checked="" type="checkbox"/>
125	CCB 18	04/27/06 00:37	103.6	105.4	107.9	105.2	<input checked="" type="checkbox"/>
126	CCV 19	04/27/06 00:41	102.8	103.0	105.3	103.6	<input checked="" type="checkbox"/>
127	CCB 19	04/27/06 00:44	104.2	105.8	108.1	104.6	<input checked="" type="checkbox"/>
128	H34J3B	04/27/06 00:48	106.0	109.9	104.5	109.6	<input checked="" type="checkbox"/>
129	H34J3C	04/27/06 00:52	103.4	108.5	105.1	109.0	<input checked="" type="checkbox"/>
130	H34J3L	04/27/06 00:55	100.6	108.3	105.7	108.1	<input checked="" type="checkbox"/>
131	H337F	04/27/06 00:59	102.9	109.2	106.1	108.9	<input checked="" type="checkbox"/>
132	H337FP5	04/27/06 01:02	104.4	107.3	107.8	105.5	<input type="checkbox"/>
133	H337FX	04/27/06 01:06	104.3	109.3	102.5	108.6	<input checked="" type="checkbox"/>
134	H337FZ	04/27/06 01:09	102.3	108.6	103.4	106.9	<input checked="" type="checkbox"/>
135	H337Q	04/27/06 01:13	101.5	107.8	102.2	107.3	<input checked="" type="checkbox"/>
136	H337R	04/27/06 01:16	104.3	109.3	103.0	107.8	<input checked="" type="checkbox"/>
137	H337V	04/27/06 01:20	103.1	108.4	101.6	107.7	<input checked="" type="checkbox"/>
138	CCV 20	04/27/06 01:24	101.2	103.1	106.9	103.8	<input checked="" type="checkbox"/>

STL Sacramento

INTERNAL STANDARD SUMMARY

Method: 6020 (SOP: SAC-MT-001)

M01 (M01)

Reported: 04/28/06 14:11:42

File ID: 060426B1

Analyst: ionesb

#	Sample ID	Analyzed Date	Germanium	Indium	Lithium-6	Thulium	Q
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139	CCB 20	04/27/06 01:27	103.2	105.5	108.3	105.1	<input checked="" type="checkbox"/>
140	CCV 21	04/27/06 01:31	101.0	101.7	104.2	102.3	<input checked="" type="checkbox"/>
141	CCB 21	04/27/06 01:35	103.0	105.0	108.3	104.5	<input checked="" type="checkbox"/>
142	H337W	04/27/06 01:38	104.1	108.0	101.9	107.9	<input checked="" type="checkbox"/>
143	H337X	04/27/06 01:42	105.8	109.8	102.1	108.7	<input checked="" type="checkbox"/>
144	H3371	04/27/06 01:45	105.8	110.9	101.5	107.7	<input checked="" type="checkbox"/>
145	H338A	04/27/06 01:49	107.1	109.3	103.8	109.3	<input checked="" type="checkbox"/>
146	H338D	04/27/06 01:53	108.3	111.8	104.2	110.0	<input checked="" type="checkbox"/>
147	H338E	04/27/06 01:56	106.0	108.3	101.2	107.9	<input checked="" type="checkbox"/>
148	H338F	04/27/06 02:00	107.1	111.1	102.3	109.0	<input checked="" type="checkbox"/>
149	H338G	04/27/06 02:03	107.9	111.9	103.1	108.3	<input checked="" type="checkbox"/>
150	H338H	04/27/06 02:07	105.5	109.9	102.2	108.9	<input checked="" type="checkbox"/>
151	H338J	04/27/06 02:11	108.1	111.0	102.3	108.7	<input checked="" type="checkbox"/>
152	CCV 22	04/27/06 02:14	102.9	103.3	106.4	103.4	<input checked="" type="checkbox"/>
153	CCB 22	04/27/06 02:18	104.7	106.1	109.4	104.9	<input checked="" type="checkbox"/>

Method: 6020 (SOP: SAC-MT-001)

M01

Reported: 04/28/06 14:11:50

Method: 6020	Instrument: M01	Batch: 060426B1				
Sample ID	Type	File - Sequence	Analyzed Date	Q		
ICV	ICV	060426B1, 11	04/26/2006 16:51:05	<input type="checkbox"/>		
ICB	ICB	060426B1, 12	04/26/2006 16:55:25	<input type="checkbox"/>		
ICSA	ICSA	060426B1, 13	04/26/2006 16:59:45	<input type="checkbox"/>		
ICSAB	ICSAB	060426B1, 14	04/26/2006 17:04:03	<input type="checkbox"/>		
CCV 1	CCV	060426B1, 18	04/26/2006 17:24:43	<input type="checkbox"/>		
CCB 1	CCB	060426B1, 19	04/26/2006 17:29:04	<input type="checkbox"/>		
CCV 2	CCV	060426B1, 20	04/26/2006 17:33:24	<input type="checkbox"/>		
CCB 2	CCB	060426B1, 21	04/26/2006 17:37:45	<input type="checkbox"/>		
CCV 3	CCV	060426B1, 32	04/26/2006 18:25:06	<input type="checkbox"/>		
CCB 3	CCB	060426B1, 33	04/26/2006 18:29:27	<input type="checkbox"/>		
CCV 4	CCV	060426B1, 34	04/26/2006 18:33:48	<input type="checkbox"/>		
CCB 4	CCB	060426B1, 35	04/26/2006 18:38:09	<input type="checkbox"/>		
CCV 5	CCV	060426B1, 46	04/26/2006 19:26:01	<input type="checkbox"/>		
CCB 5	CCB	060426B1, 47	04/26/2006 19:30:22	<input type="checkbox"/>		
CCV 6	CCV	060426B1, 48	04/26/2006 19:34:42	<input type="checkbox"/>		
CCB 6	CCB	060426B1, 49	04/26/2006 19:39:03	<input type="checkbox"/>		
CCV 7	CCV	060426B1, 57	04/26/2006 20:13:31	<input type="checkbox"/>		
CCB 7	CCB	060426B1, 58	04/26/2006 20:17:55	<input type="checkbox"/>		
CCV 8	CCV	060426B1, 59	04/26/2006 20:22:16	<input type="checkbox"/>		
CCB 8	CCB	060426B1, 60	04/26/2006 20:26:37	<input type="checkbox"/>		
CCV 9	CCV	060426B1, 68	04/26/2006 21:01:16	<input type="checkbox"/>		
CCB 9	CCB	060426B1, 69	04/26/2006 21:05:36	<input type="checkbox"/>		
CCV 10	CCV	060426B1, 70	04/26/2006 21:09:57	<input type="checkbox"/>		
CCB 10	CCB	060426B1, 71	04/26/2006 21:14:18	<input type="checkbox"/>		
CCV 11	CCV	060426B1, 80	04/26/2006 21:53:26	<input type="checkbox"/>		
CCB 11	CCB	060426B1, 81	04/26/2006 21:57:47	<input type="checkbox"/>		
CCV 12	CCV	060426B1, 82	04/26/2006 22:02:09	<input type="checkbox"/>		
CCB 12	CCB	060426B1, 83	04/26/2006 22:05:49	<input type="checkbox"/>		
CCV 13	CCV	060426B1, 84	04/26/2006 22:09:28	<input type="checkbox"/>		
CCB 13	CCB	060426B1, 85	04/26/2006 22:13:07	<input type="checkbox"/>		
CCV 14	CCV	060426B1, 96	04/26/2006 22:52:35	<input type="checkbox"/>		
CCB 14	CCB	060426B1, 97	04/26/2006 22:56:15	<input type="checkbox"/>		
CCV 15	CCV	060426B1, 98	04/26/2006 22:59:54	<input type="checkbox"/>		
CCB 15	CCB	060426B1, 99	04/26/2006 23:03:34	<input type="checkbox"/>		
CCV 16	CCV	060426B1, 110	04/26/2006 23:43:02	<input type="checkbox"/>		
CCB 16	CCB	060426B1, 111	04/26/2006 23:46:42	<input type="checkbox"/>		
CCV 17	CCV	060426B1, 112	04/26/2006 23:50:22	<input type="checkbox"/>		
CCB 17	CCB	060426B1, 113	04/26/2006 23:54:01	<input type="checkbox"/>		
CCV 18	CCV	060426B1, 124	04/27/2006 00:33:45	<input type="checkbox"/>		
CCB 18	CCB	060426B1, 125	04/27/2006 00:37:25	<input type="checkbox"/>		
CCV 19	CCV	060426B1, 126	04/27/2006 00:41:04	<input type="checkbox"/>		
CCB 19	CCB	060426B1, 127	04/27/2006 00:44:44	<input type="checkbox"/>		
CCV 20	CCV	060426B1, 138	04/27/2006 01:24:04	<input type="checkbox"/>		
CCB 20	CCB	060426B1, 139	04/27/2006 01:27:44	<input type="checkbox"/>		
CCV 21	CCV	060426B1, 140	04/27/2006 01:31:23	<input type="checkbox"/>		
CCB 21	CCB	060426B1, 141	04/27/2006 01:35:03	<input type="checkbox"/>		

STL Sacramento

CALIBRATION CHECK SUMMARY

Method: 6020 (SOP: SAC-MT-001)

M01

Reported: 04/28/06 14:11:50

Method: 6020

Instrument: M01

Batch: 060426B1

Sample ID

Type

File - Sequence

Analyzed Date

Q

CCV 22

CCV

060426B1, 152 04/27/2006 02:14:41

CCB 22

CCB

060426B1, 153 04/27/2006 02:18:21

Method: 6020 (SOP: SAC-MT-001)

M01

Reported: 04/28/06 14:11:50

Department: 120 (Metals)

Source: MetEdit

Sample: ICV (ICV)

Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M01

Channel 261

File: 060426B1 # 11

Method 6020_

Acquired: 04/26/2006 16:51:05

M01

Calibrated: 04/26/2006 16:42:19

Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	21656	82.107	80.000	103	
7429-90-5	Aluminum	27	3771750	845.53	800.00	106	
7440-62-2	Vanadium	51	800067	83.300	80.000	104	
7440-47-3	Chromium	52	779162	83.500	80.000	104	
7439-89-6	Iron	54	709117	899.45	800.00	112	
7439-89-6	Iron	57	264017	868.81	800.00	109	
7439-96-5	Manganese	55	1150990	84.759	80.000	106	
7440-48-4	Cobalt	59	859100	83.338	80.000	104	
7440-02-0	Nickel	60	179776	82.984	80.000	104	
7440-50-8	Copper	65	163272	82.864	80.000	104	
7440-66-6	Zinc	68	60160	83.341	80.000	104	
7440-38-2	Arsenic	75	159066	81.011	80.000	101	
7782-49-2	Selenium	82	13218	80.823	80.000	101	
7439-98-7	Molybdenum	97	115647	83.056	80.000	104	
7440-22-4	Silver	107	283670	42.300	40.000	106	
7440-43-9	Cadmium	111	116594	82.191	80.000	103	
7440-36-0	Antimony	121	182537	41.524	40.000	104	
7440-39-3	Barium	135	104312	82.505	80.000	103	
7440-28-0	Thallium	205	462085	41.040	40.000	103	
7439-92-1	Lead	208	1250896	84.760	80.000	106	
CASN	ISTD Name	M/S	Area	Amount			Q
LITHIUM6	Lithium-6	6	943601				<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1510163				<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1316873				<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	871425				<input checked="" type="checkbox"/>

Reviewed by:

Date:

STL Sacramento

BLANK REPORT

Method: 6020 (SOP: SAC-MT-001)

M01

Reported: 04/28/06 14:11:50

Department: 120 (Metals)

Source: MetEdit

Sample: ICB

Mult: 1.00

Dilf:

1.00

Divs: 1.000

Instrument: ICPMS M01

Channel 261

File: 060426B1 # 12

Method 6020_

Acquired: 04/26/2006 16:55:25

M01

Calibrated: 04/26/2006 16:42:19

Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	2	0.00239	1.0	0.078	0.0	<input checked="" type="checkbox"/>
7429-90-5	Aluminum	27	40620	-0.86150	50.0	2.1	0.0	<input checked="" type="checkbox"/>
7440-62-2	Vanadium	51	-24592	0.89436	10.0	3.1	0.0	<input checked="" type="checkbox"/>
7440-47-3	Chromium	52	36147	0.11051	2.0	0.92	0.0	<input checked="" type="checkbox"/>
7439-89-6	Iron	54	102076	-0.65557	50.0	17.0	0.0	<input checked="" type="checkbox"/>
7439-89-6	Iron	57	20981	-1.35558	50.0	17.0	0.0	<input checked="" type="checkbox"/>
7439-96-5	Manganese	55	2564	-0.01117	1.0	0.083	0.0	<input checked="" type="checkbox"/>
7440-48-4	Cobalt	59	101	0.00304	1.0	0.057	0.0	<input checked="" type="checkbox"/>
7440-02-0	Nickel	60	116	-0.01206	2.0	0.098	0.0	<input checked="" type="checkbox"/>
7440-50-8	Copper	65	150	0.00003				
7440-66-6	Zinc	68	1105	-0.38226	5.0	1.0	0.0	<input checked="" type="checkbox"/>
7440-38-2	Arsenic	75	15290	-0.28118	2.0	0.50	0.0	<input checked="" type="checkbox"/>
7782-49-2	Selenium	82	400	0.07086	2.0	1.7	0.0	<input checked="" type="checkbox"/>
7439-98-7	Molybdenum	97	400	0.27046				
7440-22-4	Silver	107	177	0.01842	1.0	0.030	0.0	<input checked="" type="checkbox"/>
7440-43-9	Cadmium	111	13	0.00420	1.0	0.074	0.0	<input checked="" type="checkbox"/>
7440-36-0	Antimony	121	115	0.01134	2.0	0.036	0.0	<input checked="" type="checkbox"/>
7440-39-3	Barium	135	268	0.00957	1.0	0.96	0.0	<input checked="" type="checkbox"/>
7440-28-0	Thallium	205	2359	0.20539	1.0	0.34	0.0	<input checked="" type="checkbox"/>
7439-92-1	Lead	208	1165	0.01705	1.0	0.066	0.0	<input checked="" type="checkbox"/>
CASN	ISTD Name	M/S	Area	Amount				Q
LITHIUM6	Lithium-6	6	956541					<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1512870					<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1330779					<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	859132					<input checked="" type="checkbox"/>

Reviewed by:

Date:

STL Sacramento

CALIBRATION REPORT

Method: 6020 (SOP: SAC-MT-001)

M01

Reported: 04/28/06 14:11:50

Department: 120 (Metals)

Source: MetEdit

Sample: ICSA

Mult: 1.00

Difl:

1.00

Divs:

1.000

Instrument: ICPMS M01

Channel 261

File: 060426B1 # 13

Method 6020_

Acquired: 04/26/2006 16:59:45

M01

Calibrated: 04/26/2006 16:42:19

Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	11	0.04675		*	<input checked="" type="checkbox"/>
7429-90-5	Aluminum	27	75442712	102565	100000	103	<input checked="" type="checkbox"/>
7440-62-2	Vanadium	51	-16693	1.3432		*	<input checked="" type="checkbox"/>
7440-47-3	Chromium	52	39063	1.3415		*	<input checked="" type="checkbox"/>
7439-89-6	Iron	54	54788349	97686	100000	97.7	<input checked="" type="checkbox"/>
7439-89-6	Iron	57	22858073	98496	100000	98.5	<input checked="" type="checkbox"/>
7439-96-5	Manganese	55	27038	2.2041		*	
7440-48-4	Cobalt	59	14432	1.6798		*	
7440-02-0	Nickel	60	4130	2.2342		*	
7440-50-8	Copper	65	-191	-0.19314		*	
7440-66-6	Zinc	68	3573	4.1559		*	<input checked="" type="checkbox"/>
7440-38-2	Arsenic	75	13418	0.22787		*	<input checked="" type="checkbox"/>
7782-49-2	Selenium	82	399	0.58017		*	<input checked="" type="checkbox"/>
7439-98-7	Molybdenum	97	2341733	2026.4	2000.0	101	<input type="checkbox"/>
7440-22-4	Silver	107	1628	0.27914		*	<input checked="" type="checkbox"/>
7440-43-9	Cadmium	111	528	0.43313		*	<input checked="" type="checkbox"/>
7440-36-0	Antimony	121	8073	2.1549		*	
7440-39-3	Barium	135	1094	0.82461		*	<input checked="" type="checkbox"/>
7440-28-0	Thallium	205	1350	0.12520		*	<input checked="" type="checkbox"/>
7439-92-1	Lead	208	14355	0.99179		*	<input checked="" type="checkbox"/>
CASN	ISTD Name	M/S	Area	Amount			Q
LITHIUM6	Lithium-6	6	703791				<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1253652				<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1116156				<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	804725				<input checked="" type="checkbox"/>

Reviewed by:

Date:

STL Sacramento

CALIBRATION REPORT

Method: 6020 (SOP: SAC-MT-001)

M01

Reported: 04/28/06 14:11:50

Department: 120 (Metals)

Source: MetEdit

Sample: ICSAB

Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M01

Channel 261

File: 060426B1 # 14

Method 6020_

Acquired: 04/26/2006 17:04:03

M01

Calibrated: 04/26/2006 16:42:19

Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	21611	103.65	100.00	104	<input checked="" type="checkbox"/>
7429-90-5	Aluminum	27	20346626	112359	100100	112	<input checked="" type="checkbox"/>
7440-62-2	Vanadium	51	847291	103.15	100.00	103	<input checked="" type="checkbox"/>
7440-47-3	Chromium	52	795753	101.32	100.00	101	<input checked="" type="checkbox"/>
7439-89-6	Iron	54	55832280	97401	100100	97.3	<input checked="" type="checkbox"/>
7439-89-6	Iron	57	23649072	99711	100100	99.6	<input checked="" type="checkbox"/>
7439-96-5	Manganese	55	1223995	106.29	100.00	106	<input checked="" type="checkbox"/>
7440-48-4	Cobalt	59	928293	106.14	100.00	106	<input checked="" type="checkbox"/>
7440-02-0	Nickel	60	189308	103.01	100.00	103	<input checked="" type="checkbox"/>
7440-50-8	Copper	65	163210	97.642	100.00	97.6	<input checked="" type="checkbox"/>
7440-66-6	Zinc	68	61225	100.34	100.00	100	<input checked="" type="checkbox"/>
7440-38-2	Arsenic	75	169621	104.10	100.00	104	<input checked="" type="checkbox"/>
7782-49-2	Selenium	82	16302	118.56	100.00	119	<input checked="" type="checkbox"/>
7439-98-7	Molybdenum	97	2565522	2172.1	2100.0	103	<input checked="" type="checkbox"/>
7440-22-4	Silver	107	292959	48.548	50.000	97.1	<input checked="" type="checkbox"/>
7440-43-9	Cadmium	111	127702	100.04	100.00	100	<input checked="" type="checkbox"/>
7440-36-0	Antimony	121	207801	52.541	50.000	105	<input checked="" type="checkbox"/>
7440-39-3	Barium	135	116206	102.20	100.00	102	<input checked="" type="checkbox"/>
7440-28-0	Thallium	205	556580	52.586	50.000	105	<input checked="" type="checkbox"/>
7439-92-1	Lead	208	1500445	108.18	100.00	108	<input checked="" type="checkbox"/>
CASN	ISTD Name	M/S	Area	Amount			Q
LITHIUM6	Lithium-6	6	745822				<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1281489				<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1185206				<input checked="" type="checkbox"/>
7440-30-4	Thullium	169	819106				<input checked="" type="checkbox"/>

Reviewed by:

Date:

STL Sacramento

CALIBRATION REPORT

Method: 6020 (SOP: SAC-MT-001)

M01

Reported: 04/28/06 14:11:50

Department: 120 (Metals)

Source: MetEdit

Sample: CCV 1 (CCV)

Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M01

Channel 261

File: 060426B1 # 18

Method 6020_

Acquired: 04/26/2006 17:24:43

M01

Calibrated: 04/26/2006 16:42:19

Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	26492	100.01	100.00	100	
7429-90-5	Aluminum	27	23123258	5360.8	5100.0	105	
7440-62-2	Vanadium	51	969064	102.50	100.00	103	
7440-47-3	Chromium	52	912017	100.85	100.00	101	
7439-89-6	Iron	54	3504194	5166.7	5100.0	101	
7439-89-6	Iron	57	1430350	5166.3	5100.0	101	
7439-96-5	Manganese	55	1374917	103.71	100.00	104	
7440-48-4	Cobalt	59	1021783	101.48	100.00	101	
7440-02-0	Nickel	60	213629	100.98	100.00	101	
7440-50-8	Copper	65	194442	101.06	100.00	101	
7440-66-6	Zinc	68	71626	102.02	100.00	102	
7440-38-2	Arsenic	75	190572	101.39	100.00	101	
7782-49-2	Selenium	82	16420	103.47	100.00	103	
7439-98-7	Molybdenum	97	231041	206.68	200.00	103	
7440-22-4	Silver	107	338978	50.645	50.000	101	
7440-43-9	Cadmium	111	142649	100.75	100.00	101	
7440-36-0	Antimony	121	221626	50.516	50.000	101	
7440-39-3	Barium	135	127243	100.88	100.00	101	
7440-28-0	Thallium	205	584073	51.062	50.000	102	
7439-92-1	Lead	208	1521853	101.52	100.00	102	
CASN	ISTD Name	M/S	Area	Amount			Q
LITHIUM6	Lithium-6	6	947548				<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1474959				<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1314344				<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	985250				<input checked="" type="checkbox"/>

Reviewed by:

Date:

STL Sacramento

BLANK REPORT

Method: 6020 (SOP: SAC-MT-001)

M01

Reported: 04/28/06 14:11:50

Department: 120 (Metals)

Source: MetEdit

Sample: CCB 1

Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M01

Channel 261

File: 060426B1 # 19

Method 6020

Acquired: 04/26/2006 17:29:04

M01

Calibrated: 04/26/2006 16:42:19

Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	2	0.00255	1.0	0.078	0.0	<input checked="" type="checkbox"/>
7429-90-5	Aluminum	27	41078	-0.72884	50.0	2.1	0.0	<input checked="" type="checkbox"/>
7440-62-2	Vanadium	51	-22637	1.0826	10.0	3.1	0.0	<input checked="" type="checkbox"/>
7440-47-3	Chromium	52	31782	-0.36684	2.0	0.92	0.0	<input checked="" type="checkbox"/>
7439-89-6	Iron	54	100145	-3.0354	50.0	17.0	0.0	<input checked="" type="checkbox"/>
7439-89-6	Iron	57	20836	-1.6357	50.0	17.0	0.0	<input checked="" type="checkbox"/>
7439-96-5	Manganese	55	2460	-0.01832	1.0	0.083	0.0	<input checked="" type="checkbox"/>
7440-48-4	Cobalt	59	111	0.00408	1.0	0.057	0.0	<input checked="" type="checkbox"/>
7440-02-0	Nickel	60	128	-0.00633	2.0	0.098	0.0	<input checked="" type="checkbox"/>
7440-50-8	Copper	65	147	-0.00100				
7440-66-6	Zinc	68	1051	-0.45422	5.0	1.0	0.0	<input checked="" type="checkbox"/>
7440-38-2	Arsenic	75	15782	0.02514	2.0	0.50	0.0	<input checked="" type="checkbox"/>
7782-49-2	Selenium	82	381	-0.03979	2.0	1.7	0.0	<input checked="" type="checkbox"/>
7439-98-7	Molybdenum	97	887	0.62237				
7440-22-4	Silver	107	181	0.01892	1.0	0.030	0.0	<input checked="" type="checkbox"/>
7440-43-9	Cadmium	111	16	0.00617	1.0	0.074	0.0	<input checked="" type="checkbox"/>
7440-36-0	Antimony	121	211	0.03271	2.0	0.036	0.0	<input checked="" type="checkbox"/>
7440-39-3	Barium	135	252	-0.00404	1.0	0.96	0.0	<input checked="" type="checkbox"/>
7440-28-0	Thallium	205	2187	0.18740	1.0	0.34	0.0	<input checked="" type="checkbox"/>
7439-92-1	Lead	208	1299	0.02492	1.0	0.066	0.0	<input checked="" type="checkbox"/>
CASN	ISTD Name	M/S	Area	Amount				Q
LITHIUM6	Lithium-6	6	941673					<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1508057					<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1337827					<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	881758					<input checked="" type="checkbox"/>

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Date:

STL Sacramento

CALIBRATION REPORT

Method: 6020 (SOP: SAC-MT-001)

M01

Reported: 04/28/06 14:11:50

Department: 120 (Metals)

Source: MetEdit

Sample: CCV 2 (CCV)

Mult: 1.00

Difl:

1.00

Divs: 1.000

Instrument: ICPMS M01

Channel 261

File: 060426B1 # 20

Method 6020_

Acquired: 04/26/2006 17:33:24

M01

Calibrated: 04/26/2006 16:42:19

Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	26596	101.22	100.00	101	
7429-90-5	Aluminum	27	23050413	5260.8	5100.0	103	
7440-62-2	Vanadium	51	979205	101.99	100.00	102	
7440-47-3	Chromium	52	918556	99.966	100.00	100	
7439-89-6	Iron	54	3515780	5101.5	5100.0	100	
7439-89-6	Iron	57	1442567	5129.1	5100.0	101	
7439-96-5	Manganese	55	1378637	102.37	100.00	102	
7440-48-4	Cobalt	59	1022893	100.02	100.00	100	
7440-02-0	Nickel	60	213862	99.517	100.00	99.5	
7440-50-8	Copper	65	195321	99.938	100.00	99.9	
7440-66-6	Zinc	68	71922	100.83	100.00	101	
7440-38-2	Arsenic	75	191987	100.49	100.00	100	
7782-49-2	Selenium	82	16353	101.39	100.00	101	
7439-98-7	Molybdenum	97	282821	204.76	200.00	102	
7440-22-4	Silver	107	337778	50.232	50.000	100	
7440-43-9	Cadmium	111	141960	99.794	100.00	99.8	
7440-36-0	Antimony	121	222603	50.501	50.000	101	
7440-39-3	Barium	135	127642	100.73	100.00	101	
7440-28-0	Thallium	205	579864	50.200	50.000	100	
7439-92-1	Lead	208	1518566	100.31	100.00	100	
CASN	ISTD Name	M/S	Area	Amount			Q
LITHIUM6	Lithium-6	6	939852				<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1498179				<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1320666				<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	894011				<input checked="" type="checkbox"/>

Reviewed by:

Date:

STL Sacramento

BLANK REPORT

Method: 6020 (SOP: SAC-MT-001)

M01

Reported: 04/28/06 14:11:50

Department: 120 (Metals)

Source: MetEdit

Sample: CCB 2

Mult: 1.00

Dilf:

1.00

Divs:

1.000

Instrument: ICPMS M01

Channel 261

File: 060426B1 # 21

Method 6020_

Acquired: 04/26/2006 17:37:45

M01

Calibrated: 04/26/2006 16:42:19

Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	2	0.00263	1.0	0.078	0.0	<input checked="" type="checkbox"/>
7429-90-5	Aluminum	27	41026	-0.82113	50.0	2.1	0.0	<input checked="" type="checkbox"/>
7440-62-2	Vanadium	51	-23579	1.0085	10.0	3.1	0.0	<input checked="" type="checkbox"/>
7440-47-3	Chromium	52	32040	-0.36965	2.0	0.92	0.0	<input checked="" type="checkbox"/>
7439-89-6	Iron	54	101721	-2.0286	50.0	17.0	0.0	<input checked="" type="checkbox"/>
7439-89-6	Iron	57	20897	-2.0652	50.0	17.0	0.0	<input checked="" type="checkbox"/>
7439-96-5	Manganese	55	2519	-0.01558	1.0	0.083	0.0	<input checked="" type="checkbox"/>
7440-48-4	Cobalt	59	146	0.00739	1.0	0.057	0.0	<input checked="" type="checkbox"/>
7440-02-0	Nickel	60	143	-0.00004	2.0	0.098	0.0	<input checked="" type="checkbox"/>
7440-50-8	Copper	65	151	0.00030				
7440-66-6	Zinc	68	1027	-0.50067	5.0	1.0	0.0	<input checked="" type="checkbox"/>
7440-38-2	Arsenic	75	15989	0.06532	2.0	0.50	0.0	<input checked="" type="checkbox"/>
7782-49-2	Selenium	82	384	-0.04546	2.0	1.7	0.0	<input checked="" type="checkbox"/>
7439-98-7	Molybdenum	97	871	0.60639				
7440-22-4	Silver	107	216	0.02388	1.0	0.030	0.0	<input checked="" type="checkbox"/>
7440-43-9	Cadmium	111	16	0.00577	1.0	0.074	0.0	<input checked="" type="checkbox"/>
7440-36-0	Antimony	121	240	0.03884	2.0	0.036	0.0	<input checked="" type="checkbox"/>
7440-39-3	Barium	135	278	0.01525	1.0	0.96	0.0	<input checked="" type="checkbox"/>
7440-28-0	Thallium	205	2387	0.20371	1.0	0.34	0.0	<input checked="" type="checkbox"/>
7439-92-1	Lead	208	1348	0.02753	1.0	0.066	0.0	<input checked="" type="checkbox"/>
CASN	ISTD Name	M/S	Area	Amount				Q
LITHIUM6	Lithium-6	6	937984					<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1521675					<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1344333					<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	887672					<input checked="" type="checkbox"/>

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Date:

STL Sacramento

CALIBRATION REPORT

Method: 6020 (SOP: SAC-MT-001)

M01

Reported: 04/28/06 14:11:50

Department: 120 (Metals)

Source: MetEdit

Sample: CCV 3 (CCV)

Mult: 1.00 Difl: 1.00 Divs: 1.000

Instrument: ICPMS M01

Channel 261

File: 060426B1 # 32

Method 6020_

Acquired: 04/26/2006 18:25:06

M01

Calibrated: 04/26/2006 16:42:19

Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	26218	100.91	100.00	101	
7429-90-5	Aluminum	27	23113368	5256.4	5100.0	103	
7440-62-2	Vanadium	51	971490	100.86	100.00	101	
7440-47-3	Chromium	52	927834	100.65	100.00	101	
7439-89-6	Iron	54	3564532	5155.7	5100.0	101	
7439-89-6	Iron	57	1447918	5130.0	5100.0	101	
7439-96-5	Manganese	55	1375019	101.75	100.00	102	
7440-48-4	Cobalt	59	1023069	99.684	100.00	99.7	
7440-02-0	Nickel	60	213715	99.103	100.00	99.1	
7440-50-8	Copper	65	194756	99.297	100.00	99.3	
7440-66-6	Zinc	68	71154	99.372	100.00	99.4	
7440-38-2	Arsenic	75	192280	100.27	100.00	100	
7782-49-2	Selenium	82	16299	100.69	100.00	101	
7439-98-7	Molybdenum	97	281534	203.11	200.00	102	
7440-22-4	Silver	107	337341	50.606	50.000	101	
7440-43-9	Cadmium	111	141087	100.05	100.00	100	
7440-36-0	Antimony	121	220945	50.564	50.000	101	
7440-39-3	Barium	135	125813	100.14	100.00	100	
7440-28-0	Thallium	205	578444	50.157	50.000	100	
7439-92-1	Lead	208	1513826	100.16	100.00	100	
CASN	ISTD Name	M/S	Area	Amount			Q
LITHIUM6	Lithium-6	6	929364				<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1503498				<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1509110				<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	892592				<input checked="" type="checkbox"/>

Reviewed by:

Date:

STL Sacramento

BLANK REPORT

Method: 6020 (SOP: SAC-MT-001)

M01

Reported: 04/28/06 14:11:50

Department: 120 (Metals)

Source: MetEdit

Sample: CCB 3

Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M01

Channel 261

File: 060426B1 # 33

Method 6020_

Acquired: 04/26/2006 18:29:27

M01

Calibrated: 04/26/2006 16:42:19

Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	5	0.01100	1.0	0.078	0.0	<input checked="" type="checkbox"/>
7429-90-5	Aluminum	27	42624	-0.56766	50.0	2.1	0.0	<input checked="" type="checkbox"/>
7440-62-2	Vanadium	51	-23461	1.0461	10.0	3.1	0.0	<input checked="" type="checkbox"/>
7440-47-3	Chromium	52	36778	0.11267	2.0	0.92	0.0	<input checked="" type="checkbox"/>
7439-89-6	Iron	54	104407	0.22840	50.0	17.0	0.0	<input checked="" type="checkbox"/>
7439-89-6	Iron	57	20947	-2.7270	50.0	17.0	0.0	<input checked="" type="checkbox"/>
7439-96-5	Manganese	55	2787	0.00181	1.0	0.083	0.0	<input checked="" type="checkbox"/>
7440-48-4	Cobalt	59	170	0.00948	1.0	0.057	0.0	<input checked="" type="checkbox"/>
7440-02-0	Nickel	60	139	-0.00265	2.0	0.098	0.0	<input checked="" type="checkbox"/>
7440-50-8	Copper	65	135	-0.00845				
7440-66-6	Zinc	68	1117	-0.39144	5.0	1.0	0.0	<input checked="" type="checkbox"/>
7440-38-2	Arsenic	75	15743	-0.17224	2.0	0.50	0.0	<input checked="" type="checkbox"/>
7782-49-2	Selenium	82	386	-0.05536	2.0	1.7	0.0	<input checked="" type="checkbox"/>
7439-98-7	Molybdenum	97	793	0.54370				
7440-22-4	Silver	107	258	0.03028	1.0	0.030	0.0	<input checked="" type="checkbox"/>
7440-43-9	Cadmium	111	20	0.00881	1.0	0.074	0.0	<input checked="" type="checkbox"/>
7440-36-0	Antimony	121	490	0.09540	2.0	0.036	0.0	<input checked="" type="checkbox"/>
7440-39-3	Barium	135	261	0.00345	1.0	0.96	0.0	<input checked="" type="checkbox"/>
7440-28-0	Thallium	205	1986	0.16557	1.0	0.34	0.0	<input checked="" type="checkbox"/>
7439-92-1	Lead	208	1501	0.03607	1.0	0.066	0.0	<input checked="" type="checkbox"/>
CASN	ISTD Name	M/S	Area	Amount				Q
LITHIUM6	Lithium-6	6	906931					<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1538417					<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1335324					<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	903088					<input checked="" type="checkbox"/>

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CALIBRATION REPORT

Method: 6020 (SOP: SAC-MT-001)

M01

Reported: 04/28/06 14:11:50

Department: 120 (Metals)

Source: MetEdit

Sample: CCV 4 (CCV)

Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M01

Channel 261

File: 060426B1 # 34

Method 6020_

Acquired: 04/26/2006 18:33:48

M01

Calibrated: 04/26/2006 16:42:19

Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	26444	100.83	100.00	101	
7429-90-5	Aluminum	27	23015142	5185.3	5100.0	102	
7440-62-2	Vanadium	51	986242	101.42	100.00	101	
7440-47-3	Chromium	52	930939	100.02	100.00	100	
7439-89-6	Iron	54	3587514	5140.2	5100.0	101	
7439-89-6	Iron	57	1461790	5131.0	5100.0	101	
7439-96-5	Manganese	55	1389639	101.87	100.00	102	
7440-48-4	Cobalt	59	1028838	99.314	100.00	99.3	
7440-02-0	Nickel	60	214677	98.620	100.00	98.6	
7440-50-8	Copper	65	196111	99.058	100.00	99.1	
7440-66-6	Zinc	68	72561	100.42	100.00	100	
7440-38-2	Arsenic	75	194432	100.47	100.00	100	
7782-49-2	Selenium	82	16512	101.06	100.00	101	
7439-98-7	Molybdenum	97	282060	201.60	200.00	101	
7440-22-4	Silver	107	334725	50.548	50.000	101	
7440-43-9	Cadmium	111	141656	101.12	100.00	101	
7440-36-0	Antimony	121	222626	51.289	50.000	103	
7440-39-3	Barium	135	127143	101.88	100.00	102	
7440-28-0	Thallium	205	573493	49.438	50.000	98.9	
7439-92-1	Lead	208	1497397	98.491	100.00	98.5	
CASN	ISTD Name	M/S	Area	Amount			Q
LITHIUM6	Lithium-6	6	938143				<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1617548				<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1300440				<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	897735				<input checked="" type="checkbox"/>

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Date:

STL Sacramento

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Method: 6020 (SOP: SAC-MT-001)

M01

Reported: 04/28/06 14:11:50

Department: 120 (Metals)

Source: MetEdit

Sample: CCB 4

Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M01

Channel 261

File: 060426B1 # 35

Method 6020_

Acquired: 04/26/2006 18:38:09

M01

Calibrated: 04/26/2006 16:42:19

Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	3	0.00620	1.0	0.078	0.0	<input checked="" type="checkbox"/>
7429-90-5	Aluminum	27	42684	-0.55274	50.0	2.1	0.0	<input checked="" type="checkbox"/>
7440-62-2	Vanadium	51	-24150	0.97567	10.0	3.1	0.0	<input checked="" type="checkbox"/>
7440-47-3	Chromium	52	35414	-0.03679	2.0	0.92	0.0	<input checked="" type="checkbox"/>
7439-89-6	Iron	54	104384	0.22177	50.0	17.0	0.0	<input checked="" type="checkbox"/>
7439-89-6	Iron	57	21588	-0.45261	50.0	17.0	0.0	<input checked="" type="checkbox"/>
7439-96-5	Manganese	55	2805	0.00318	1.0	0.083	0.0	<input checked="" type="checkbox"/>
7440-48-4	Cobalt	59	188	0.01118	1.0	0.057	0.0	<input checked="" type="checkbox"/>
7440-02-0	Nickel	60	126	-0.00848	2.0	0.098	0.0	<input checked="" type="checkbox"/>
7440-50-8	Copper	65	146	-0.00316				
7440-66-6	Zinc	68	1071	-0.45476	5.0	1.0	0.0	<input checked="" type="checkbox"/>
7440-38-2	Arsenic	75	15625	-0.23811	2.0	0.50	0.0	<input checked="" type="checkbox"/>
7782-49-2	Selenium	82	400	0.03038	2.0	1.7	0.0	<input checked="" type="checkbox"/>
7439-98-7	Molybdenum	97	865	0.59459				
7440-22-4	Silver	107	271	0.03210	1.0	0.030	0.0	<input checked="" type="checkbox"/>
7440-43-9	Cadmium	111	20	0.00890	1.0	0.074	0.0	<input checked="" type="checkbox"/>
7440-36-0	Antimony	121	428	0.08139	2.0	0.036	0.0	<input checked="" type="checkbox"/>
7440-39-3	Barium	135	260	0.00193	1.0	0.96	0.0	<input checked="" type="checkbox"/>
7440-28-0	Thallium	205	2308	0.19154	1.0	0.34	0.0	<input checked="" type="checkbox"/>
7439-92-1	Lead	208	1595	0.04143	1.0	0.066	0.0	<input checked="" type="checkbox"/>
CASN	ISTD Name	M/S	Area	Amount				Q
LITHIUM6	Lithium-6	6	850370					<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1538252					<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1339619					<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	909695					<input checked="" type="checkbox"/>

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Date:

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CALIBRATION REPORT

Method: 6020 (SOP: SAC-MT-001)

M01

Reported: 04/28/06 14:11:50

Department: 120 (Metals)

Source: MetEdit

Sample: CCV 5 (CCV)

Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M01

Channel 261

File: 060426B1 # 46

Method 6020_

Acquired: 04/26/2006 19:26:01

M01

Calibrated: 04/26/2006 16:42:19

Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	26344	100.65	100.00	101	
7429-90-5	Aluminum	27	23199079	5152.2	5100.0	101	
7440-62-2	Vanadium	51	1000414	101.42	100.00	101	
7440-47-3	Chromium	52	951108	100.76	100.00	101	
7439-89-6	Iron	54	3626061	5123.4	5100.0	100	
7439-89-6	Iron	57	1475119	5103.6	5100.0	100	
7439-96-5	Manganese	55	1398372	101.05	100.00	101	
7440-48-4	Cobalt	59	1048746	99.793	100.00	99.8	
7440-02-0	Nickel	60	220162	99.699	100.00	99.7	
7440-50-8	Copper	65	199763	99.459	100.00	99.5	
7440-66-6	Zinc	68	73375	100.09	100.00	100	
7440-38-2	Arsenic	75	197523	100.62	100.00	101	
7782-49-2	Selenium	82	16479	99.387	100.00	99.4	
7439-98-7	Molybdenum	97	286585	201.98	200.00	101	
7440-22-4	Silver	107	339742	50.378	50.000	101	
7440-43-9	Cadmium	111	143084	100.30	100.00	100	
7440-36-0	Antimony	121	223092	50.468	50.000	101	
7440-39-3	Barium	135	127598	100.40	100.00	100	
7440-28-0	Thallium	205	584400	49.836	50.000	99.7	
7439-92-1	Lead	208	1536207	99.954	100.00	100	
CASN	ISTD Name	M/S	Area	Amount			Q
LITHIUM6	Lithium-6	6	936265				<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1539522				<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1324326				<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	907583				<input checked="" type="checkbox"/>

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Date:

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Method: 6020 (SOP: SAC-MT-001)

M01

Reported: 04/28/06 14:11:50

Department: 120 (Metals)

Source: MetEdit

Sample: CCB 5

Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M01

Channel 261

File: 060426B1 # 47

Method 6020_

Acquired: 04/26/2006 19:30:22

M01

Calibrated: 04/26/2006 16:42:19

Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	3	0.00595	1.0	0.078	0.0	<input checked="" type="checkbox"/>
7429-90-5	Aluminum	27	42489	-0.60630	50.0	2.1	0.0	<input checked="" type="checkbox"/>
7440-62-2	Vanadium	51	-21707	1.2236	10.0	3.1	0.0	<input checked="" type="checkbox"/>
7440-47-3	Chromium	52	34501	-0.14213	2.0	0.92	0.0	<input checked="" type="checkbox"/>
7439-89-6	Iron	54	103960	-0.55040	50.0	17.0	0.0	<input checked="" type="checkbox"/>
7439-89-6	Iron	57	21513	-0.79676	50.0	17.0	0.0	<input checked="" type="checkbox"/>
7439-96-5	Manganese	55	2946	0.01326	1.0	0.083	0.0	<input checked="" type="checkbox"/>
7440-48-4	Cobalt	59	193	0.01163	1.0	0.057	0.0	<input checked="" type="checkbox"/>
7440-02-0	Nickel	60	139	-0.00248	2.0	0.098	0.0	<input checked="" type="checkbox"/>
7440-50-8	Copper	65	161	0.00447				
7440-66-6	Zinc	68	1081	-0.44261	5.0	1.0	0.0	<input checked="" type="checkbox"/>
7440-38-2	Arsenic	75	16329	0.14243	2.0	0.50	0.0	<input checked="" type="checkbox"/>
7782-49-2	Selenium	82	368	-0.17537	2.0	1.7	0.0	<input checked="" type="checkbox"/>
7439-98-7	Molybdenum	97	805	0.55018				
7440-22-4	Silver	107	253	0.02944	1.0	0.030	0.0	<input checked="" type="checkbox"/>
7440-43-9	Cadmium	111	24	0.01126	1.0	0.074	0.0	<input checked="" type="checkbox"/>
7440-36-0	Antimony	121	300	0.05253	2.0	0.036	0.0	<input checked="" type="checkbox"/>
7440-39-3	Barium	135	282	0.01975	1.0	0.96	0.0	<input checked="" type="checkbox"/>
7440-28-0	Thallium	205	1995	0.16512	1.0	0.34	0.0	<input checked="" type="checkbox"/>
7439-92-1	Lead	208	1669	0.04657	1.0	0.066	0.0	<input checked="" type="checkbox"/>
CASN	ISTD Name	M/S	Area	Amount				Q
LITHIUM6	Lithium-6	6	957514					<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1540484					<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1337663					<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	907652					<input checked="" type="checkbox"/>

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Date:

STL Sacramento

CALIBRATION REPORT

Method: 6020 (SOP: SAC-MT-001)

M01

Reported: 04/28/06 14:11:50

Department: 120 (Metals)

Source: MetEdit

Sample: CCV 6 (CCV)

Mult: 1.00 Difl: 1.00 Divs: 1.000

Instrument: ICPMS M01

Channel 261

File: 060426B1 # 48

Method 6020_

Acquired: 04/26/2006 19:34:42

M01

Calibrated: 04/26/2006 16:42:19

Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	25977	99.867	100.00	99.9	
7429-90-5	Aluminum	27	22979114	5172.7	5100.0	101	
7440-62-2	Vanadium	51	991030	101.82	100.00	102	
7440-47-3	Chromium	52	942666	101.24	100.00	101	
7439-89-6	Iron	54	3600977	5155.3	5100.0	101	
7439-89-6	Iron	57	1462460	5128.8	5100.0	101	
7439-96-5	Manganese	55	1391971	101.95	100.00	102	
7440-48-4	Cobalt	59	1033341	99.662	100.00	99.7	
7440-02-0	Nickel	60	215100	98.725	100.00	98.7	
7440-50-8	Copper	65	196609	99.220	100.00	99.2	
7440-66-6	Zinc	68	72378	100.77	100.00	101	
7440-38-2	Arsenic	75	194460	100.38	100.00	100	
7782-49-2	Selenium	82	16229	99.205	100.00	99.2	
7439-98-7	Molybdenum	97	281876	201.29	200.00	101	
7440-22-4	Silver	107	336556	50.439	50.000	101	
7440-43-9	Cadmium	111	142115	100.68	100.00	101	
7440-36-0	Antimony	121	224155	51.249	50.000	102	
7440-39-3	Barium	135	126229	100.38	100.00	100	
7440-28-0	Thallium	205	577445	49.946	50.000	99.9	
7439-92-1	Lead	208	1522707	100.49	100.00	100	
CASN	ISTD Name	M/S	Area	Amount			Q
LITHIUM6	Lithium-6	6	930487				<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1518905				<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1310384				<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	894748				<input checked="" type="checkbox"/>

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Method: 6020 (SOP: SAC-MT-001)

M01

Reported: 04/28/06 14:11:50

Department: 120 (Metals)

Source: MetEdit

Sample: CCB 6

Mult: 1.00 Difl: 1.00 Divs: 1.000

Instrument: ICPMS M01

Channel 261

File: 060426B1 # 49

Method 6020_

Acquired: 04/26/2006 19:39:03

M01

Calibrated: 04/26/2006 16:42:19

Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	4	0.01019	1.0	0.078	0.0	<input checked="" type="checkbox"/>
7429-90-5	Aluminum	27	42059	-0.66660	50.0	2.1	0.0	<input checked="" type="checkbox"/>
7440-62-2	Vanadium	51	-21867	1.1967	10.0	3.1	0.0	<input checked="" type="checkbox"/>
7440-47-3	Chromium	52	34448	-0.13307	2.0	0.92	0.0	<input checked="" type="checkbox"/>
7439-89-6	Iron	54	103554	-0.59396	50.0	17.0	0.0	<input checked="" type="checkbox"/>
7439-89-6	Iron	57	21291	-1.3056	50.0	17.0	0.0	<input checked="" type="checkbox"/>
7439-96-5	Manganese	55	2982	0.01645	1.0	0.083	0.0	<input checked="" type="checkbox"/>
7440-48-4	Cobalt	59	237	0.01590	1.0	0.057	0.0	<input checked="" type="checkbox"/>
7440-02-0	Nickel	60	148	0.00173	2.0	0.098	0.0	<input checked="" type="checkbox"/>
7440-50-8	Copper	65	133	-0.00946				
7440-66-6	Zinc	68	1100	-0.40987	5.0	1.0	0.0	<input checked="" type="checkbox"/>
7440-38-2	Arsenic	75	15918	-0.05022	2.0	0.50	0.0	<input checked="" type="checkbox"/>
7782-49-2	Selenium	82	377	-0.11038	2.0	1.7	0.0	<input checked="" type="checkbox"/>
7439-98-7	Molybdenum	97	849	0.58590				
7440-22-4	Silver	107	247	0.02861	1.0	0.030	0.0	<input checked="" type="checkbox"/>
7440-43-9	Cadmium	111	33	0.01789	1.0	0.074	0.0	<input checked="" type="checkbox"/>
7440-36-0	Antimony	121	341	0.06188	2.0	0.036	0.0	<input checked="" type="checkbox"/>
7440-39-3	Barium	135	289	0.02579	1.0	0.96	0.0	<input checked="" type="checkbox"/>
7440-28-0	Thallium	205	2236	0.18850	1.0	0.34	0.0	<input checked="" type="checkbox"/>
7439-92-1	Lead	208	1723	0.05152	1.0	0.066	0.0	<input checked="" type="checkbox"/>
CASN	ISTD Name	M/S	Area	Amount				Q
LITHIUM6	Lithium-6	6	940761					<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1534330					<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1395465					<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	895658					<input checked="" type="checkbox"/>

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CALIBRATION REPORT

Method: 6020 (SOP: SAC-MT-001)

M01

Reported: 04/28/06 14:11:50

Department: 120 (Metals)

Source: MetEdit

Sample: CCV 7 (CCV)

Mult: 1.00 Dif: 1.00 Divs: 1.000

Instrument: ICPMS M01

Channel 261

File: 060426B1 # 57

Method 6020_

Acquired: 04/26/2006 20:13:31

M01

Calibrated: 04/26/2006 16:42:19

Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	26878	99.222	100.00	99.2	
7429-90-5	Aluminum	27	23389841	5445.1	5100.0	107	
7440-62-2	Vanadium	51	952712	101.24	100.00	101	
7440-47-3	Chromium	52	904947	100.48	100.00	100	
7439-89-6	Iron	54	3458467	5119.4	5100.0	100	
7439-89-6	Iron	57	1381966	5010.1	5100.0	98.2	
7439-96-5	Manganese	55	1345399	101.90	100.00	102	
7440-48-4	Cobalt	59	990674	98.809	100.00	98.8	
7440-02-0	Nickel	60	205204	97.405	100.00	97.4	
7440-50-8	Copper	65	187407	97.808	100.00	97.8	
7440-66-6	Zinc	68	69726	99.684	100.00	99.7	
7440-38-2	Arsenic	75	187021	99.792	100.00	99.8	
7782-49-2	Selenium	82	15895	100.51	100.00	101	
7439-98-7	Molybdenum	97	278031	205.32	200.00	103	
7440-22-4	Silver	107	331636	49.898	50.000	99.8	
7440-43-9	Cadmium	111	140104	99.649	100.00	99.6	
7440-36-0	Antimony	121	223511	51.305	50.000	103	
7440-39-3	Barium	135	124831	99.666	100.00	99.7	
7440-28-0	Thallium	205	576845	50.623	50.000	101	
7439-92-1	Lead	208	1506982	100.91	100.00	101	
CASN	ISTD Name	M/S	Area	Amount			Q
LITHIUM6	Lithium-6	6	989033				<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1468820				<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1305167				<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	881668				<input checked="" type="checkbox"/>

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Date:

STL Sacramento

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Method: 6020 (SOP: SAC-MT-001)

M01

Reported: 04/28/06 14:11:50

Department: 120 (Metals)

Source: MetEdit

Sample: CCB 7

Mult: 1.00

Dilf:

1.00

Divs: 1.000

Instrument: ICPMS M01

Channel 261

File: 060426B1 # 58

Method 6020_

Acquired: 04/26/2006 20:17:55

M01

Calibrated: 04/26/2006 16:42:19

Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	6	0.01567	1.0	0.078	0.0	<input checked="" type="checkbox"/>
7429-90-5	Aluminum	27	43498	-0.04652	50.0	2.1	0.0	<input checked="" type="checkbox"/>
7440-62-2	Vanadium	51	-23947	0.91921	10.0	3.1	0.0	<input checked="" type="checkbox"/>
7440-47-3	Chromium	52	33073	-0.17283	2.0	0.92	0.0	<input checked="" type="checkbox"/>
7439-89-6	Iron	54	101089	0.36273	50.0	17.0	0.0	<input checked="" type="checkbox"/>
7439-89-6	Iron	57	20403	-2.2142	50.0	17.0	0.0	<input checked="" type="checkbox"/>
7439-96-5	Manganese	55	3262	0.04420	1.0	0.083	0.0	<input checked="" type="checkbox"/>
7440-48-4	Cobalt	59	267	0.01957	1.0	0.057	0.0	<input checked="" type="checkbox"/>
7440-02-0	Nickel	60	137	-0.00157	2.0	0.098	0.0	<input checked="" type="checkbox"/>
7440-50-8	Copper	65	158	0.00532				
7440-66-6	Zinc	68	1040	-0.44929	5.0	1.0	0.0	<input checked="" type="checkbox"/>
7440-38-2	Arsenic	75	15578	0.02697	2.0	0.50	0.0	<input checked="" type="checkbox"/>
7782-49-2	Selenium	82	353	-0.18979	2.0	1.7	0.0	<input checked="" type="checkbox"/>
7439-98-7	Molybdenum	97	963	0.68527				
7440-22-4	Silver	107	387	0.05033	1.0	0.030	0.0	<input checked="" type="checkbox"/>
7440-43-9	Cadmium	111	17	0.00660	1.0	0.074	0.0	<input checked="" type="checkbox"/>
7440-36-0	Antimony	121	925	0.19701	2.0	0.036	0.0	<input checked="" type="checkbox"/>
7440-39-3	Barium	135	272	0.01632	1.0	0.96	0.0	<input checked="" type="checkbox"/>
7440-28-0	Thallium	205	2133	0.18341	1.0	0.34	0.0	<input checked="" type="checkbox"/>
7439-92-1	Lead	208	1980	0.07118	1.0	0.066	0.0	<input checked="" type="checkbox"/>
CASN	ISTD Name	M/S	Area	Amount				Q
LITHIUM6	Lithium-6	6	986753					<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1488324					<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1310388					<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	877456					<input checked="" type="checkbox"/>

Reviewed by:

Date:

STL Sacramento

CALIBRATION REPORT

Method: 6020 (SOP: SAC-MT-001)

M01

Reported: 04/28/06 14:11:50

Department: 120 (Metals)

Source: MetEdit

Sample: CCV 8 (CCV)

Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M01

Channel 261

File: 060426B1 # 59

Method 6020_

Acquired: 04/26/2006 20:22:16

M01

Calibrated: 04/26/2006 16:42:19

Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	26452	97.878	100.00	97.9	
7429-90-5	Aluminum	27	23433076	5329.0	5100.0	104	
7440-62-2	Vanadium	51	981104	101.82	100.00	102	
7440-47-3	Chromium	52	925485	100.37	100.00	100	
7439-89-6	Iron	54	3519395	5088.1	5100.0	99.8	
7439-89-6	Iron	57	1431285	5069.9	5100.0	99.4	
7439-96-5	Manganese	55	1374641	101.71	100.00	102	
7440-48-4	Cobalt	59	1012074	98.607	100.00	98.6	
7440-02-0	Nickel	60	209768	97.265	100.00	97.3	
7440-50-8	Copper	65	191654	97.709	100.00	97.7	
7440-66-6	Zinc	68	71746	100.21	100.00	100	
7440-38-2	Arsenic	75	191538	99.841	100.00	99.8	
7782-49-2	Selenium	82	16193	100.01	100.00	100	
7439-98-7	Molybdenum	97	280768	202.55	200.00	101	
7440-22-4	Silver	107	333733	50.561	50.000	101	
7440-43-9	Cadmium	111	141280	101.19	100.00	101	
7440-36-0	Antimony	121	221935	51.294	50.000	103	
7440-39-3	Barium	135	125889	101.20	100.00	101	
7440-28-0	Thallium	205	573137	49.832	50.000	99.7	
7439-92-1	Lead	208	1508625	100.09	100.00	100	
CASN	ISTD Name	M/S	Area	Amount			Q
LITHIUM6	Lithium-6	6	006605				<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1503544				<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1296258				<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	890114				<input checked="" type="checkbox"/>

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Date:

STL Sacramento

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Method: 6020 (SOP: SAC-MT-001)

M01

Reported: 04/28/06 14:11:50

Department: 120 (Metals)

Source: MetEdit

Sample: CCB 8

Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M01

Channel 261

File: 060426B1 # 60

Method 6020_

Acquired: 04/26/2006 20:26:37

M01

Calibrated: 04/26/2006 16:42:19

Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	6	0.01712	1.0	0.078	0.0	<input checked="" type="checkbox"/>
7429-90-5	Aluminum	27	44523	-0.04178	50.0	2.1	0.0	<input checked="" type="checkbox"/>
7440-62-2	Vanadium	51	-21454	1.2205	10.0	3.1	0.0	<input checked="" type="checkbox"/>
7440-47-3	Chromium	52	33685	-0.18941	2.0	0.92	0.0	<input checked="" type="checkbox"/>
7439-89-6	Iron	54	102495	-0.99774	50.0	17.0	0.0	<input checked="" type="checkbox"/>
7439-89-6	Iron	57	20934	-2.0064	50.0	17.0	0.0	<input checked="" type="checkbox"/>
7439-96-5	Manganese	55	3375	0.04692	1.0	0.083	0.0	<input checked="" type="checkbox"/>
7440-48-4	Cobalt	59	287	0.02087	1.0	0.057	0.0	<input checked="" type="checkbox"/>
7440-02-0	Nickel	60	148	0.00213	2.0	0.098	0.0	<input checked="" type="checkbox"/>
7440-50-8	Copper	65	150	-0.00013				
7440-66-6	Zinc	68	1079	-0.42842	5.0	1.0	0.0	<input checked="" type="checkbox"/>
7440-38-2	Arsenic	75	15867	-0.01184	2.0	0.50	0.0	<input checked="" type="checkbox"/>
7782-49-2	Selenium	82	384	-0.04866	2.0	1.7	0.0	<input checked="" type="checkbox"/>
7439-98-7	Molybdenum	97	882	0.61242				
7440-22-4	Silver	107	353	0.04469	1.0	0.030	0.0	<input checked="" type="checkbox"/>
7440-43-9	Cadmium	111	32	0.01759	1.0	0.074	0.0	<input checked="" type="checkbox"/>
7440-36-0	Antimony	121	619	0.12544	2.0	0.036	0.0	<input checked="" type="checkbox"/>
7440-39-3	Barium	135	267	0.01033	1.0	0.96	0.0	<input checked="" type="checkbox"/>
7440-28-0	Thallium	205	2374	0.20066	1.0	0.34	0.0	<input checked="" type="checkbox"/>
7439-92-1	Lead	208	1980	0.06851	1.0	0.066	0.0	<input checked="" type="checkbox"/>
CASN	ISTD Name	M/S	Area	Amount				Q
LITHIUM6	Lithium-6	6	986606					<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1622590					<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1324328					<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	895091					<input checked="" type="checkbox"/>

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STL Sacramento

CALIBRATION REPORT

Method: 6020 (SOP: SAC-MT-001)

M01

Reported: 04/28/06 14:11:50

Department: 120 (Metals)

Source: MetEdit

Sample: CCV 9 (CCV)

Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M01

Channel 261

File: 060426B1 # 68

Method 6020_

Acquired: 04/26/2006 21:01:16

M01

Calibrated: 04/26/2006 16:42:19

Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	26501	97.468	100.00	97.5	
7429-90-5	Aluminum	27	24205986	5081.7	5100.0	99.6	
7440-62-2	Vanadium	51	1025722	98.398	100.00	98.4	
7440-47-3	Chromium	52	980827	98.128	100.00	98.1	
7439-89-6	Iron	54	3769138	5029.3	5100.0	98.6	
7439-89-6	Iron	57	1543454	5047.0	5100.0	99.0	
7439-96-5	Manganese	55	1457581	99.562	100.00	99.6	
7440-48-4	Cobalt	59	1089751	98.020	100.00	98.0	
7440-02-0	Nickel	60	228529	97.823	100.00	97.8	
7440-50-8	Copper	65	209098	98.415	100.00	98.4	
7440-66-6	Zinc	68	77398	99.799	100.00	99.8	
7440-38-2	Arsenic	75	206866	99.535	100.00	99.5	
7782-49-2	Selenium	82	17298	98.593	100.00	98.6	
7439-98-7	Molybdenum	97	296618	197.56	200.00	98.8	
7440-22-4	Silver	107	351805	50.529	50.000	101	
7440-43-9	Cadmium	111	148981	101.17	100.00	101	
7440-36-0	Antimony	121	233130	51.086	50.000	102	
7440-39-3	Barium	135	133955	102.09	100.00	102	
7440-28-0	Thallium	205	604152	49.642	50.000	99.3	
7439-92-1	Lead	208	1591425	99.773	100.00	99.8	
CASN	ISTD Name	M/S	Area	Amount			Q
LITHIUM6	Lithium-6	6	972501				<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1628497				<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1367230				<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	941834				<input checked="" type="checkbox"/>

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Date:

STL Sacramento

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Method: 6020 (SOP: SAC-MT-001)

M01

Reported: 04/28/06 14:11:50

Department: 120 (Metals)

Source: MetEdit

Sample: CCB 9

Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M01

Channel 261

File: 060426B1 # 69

Method 6020_

Acquired: 04/26/2006 21:05:36

M01

Calibrated: 04/26/2006 16:42:19

Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	13	0.04287	1.0	0.078	0.0	<input checked="" type="checkbox"/>
7429-90-5	Aluminum	27	52389	0.94675	50.0	2.1	0.0	<input checked="" type="checkbox"/>
7440-62-2	Vanadium	51	-21214	1.3841	10.0	3.1	0.0	<input checked="" type="checkbox"/>
7440-47-3	Chromium	52	34742	-0.32728	2.0	0.92	0.0	<input checked="" type="checkbox"/>
7439-89-6	Iron	54	109287	-1.6263	50.0	17.0	0.0	<input checked="" type="checkbox"/>
7439-89-6	Iron	57	21941	-3.5693	50.0	17.0	0.0	<input checked="" type="checkbox"/>
7439-96-5	Manganese	55	4023	0.07494	1.0	0.083	0.0	<input checked="" type="checkbox"/>
7440-48-4	Cobalt	59	559	0.04352	1.0	0.057	0.0	<input checked="" type="checkbox"/>
7440-02-0	Nickel	60	208	0.02345	2.0	0.098	0.0	<input checked="" type="checkbox"/>
7440-50-8	Copper	65	206	0.02089				
7440-66-6	Zinc	68	1066	-0.54527	5.0	1.0	0.0	<input checked="" type="checkbox"/>
7440-38-2	Arsenic	75	17947	0.48922	2.0	0.50	0.0	<input checked="" type="checkbox"/>
7782-49-2	Selenium	82	431	0.06994	2.0	1.7	0.0	<input checked="" type="checkbox"/>
7439-98-7	Molybdenum	97	2082	1.3668				
7440-22-4	Silver	107	560	0.07173	1.0	0.030	0.0	<input checked="" type="checkbox"/>
7440-43-9	Cadmium	111	73	0.04380	1.0	0.074	0.0	<input checked="" type="checkbox"/>
7440-36-0	Antimony	121	625	0.12082	2.0	0.036	0.0	<input checked="" type="checkbox"/>
7440-39-3	Barium	135	316	0.03756	1.0	0.96	0.0	<input checked="" type="checkbox"/>
7440-28-0	Thallium	205	5687	0.46571	1.0	0.34	0.0	<input checked="" type="checkbox"/>
7439-92-1	Lead	208	2343	0.08583	1.0	0.066	0.0	<input checked="" type="checkbox"/>
CASN	ISTD Name	M/S	Area	Amount				Q
LITHIUM6	Lithium-6	6	907175					<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1630209					<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1985463					<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	935413					<input checked="" type="checkbox"/>

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Date:

STL Sacramento

CALIBRATION REPORT

Method: 6020 (SOP: SAC-MT-001)

M01

Reported: 04/28/06 14:11:50

Department: 120 (Metals)

Source: MetEdit

Sample: CCV 10 (CCV)

Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M01

Channel 261

File: 060426B1 # 70

Method 6020_

Acquired: 04/26/2006 21:09:57

M01

Calibrated: 04/26/2006 16:42:19

Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	26829	100.99	100.00	101	
7429-90-5	Aluminum	27	24061113	5171.1	5100.0	101	
7440-62-2	Vanadium	51	1012473	99.396	100.00	99.4	
7440-47-3	Chromium	52	963820	98.733	100.00	98.7	
7439-89-6	Iron	54	3711693	5071.0	5100.0	99.4	
7439-89-6	Iron	57	1512359	5068.0	5100.0	99.3	
7439-96-5	Manganese	55	1438613	100.60	100.00	101	
7440-48-4	Cobalt	59	1070913	98.610	100.00	98.6	
7440-02-0	Nickel	60	225243	98.706	100.00	98.7	
7440-50-8	Copper	65	206494	99.015	100.00	99.0	
7440-66-6	Zinc	68	76087	100.44	100.00	100	
7440-38-2	Arsenic	75	203815	100.46	100.00	100	
7782-49-2	Selenium	82	17276	100.86	100.00	101	
7439-98-7	Molybdenum	97	292739	199.59	200.00	99.8	
7440-22-4	Silver	107	346282	50.331	50.000	101	
7440-43-9	Cadmium	111	146832	100.89	100.00	101	
7440-36-0	Antimony	121	230847	51.185	50.000	102	
7440-39-3	Barium	135	129768	100.07	100.00	100	
7440-28-0	Thallium	205	594392	50.001	50.000	100	
7439-92-1	Lead	208	1564932	100.45	100.00	100	
CASN	ISTD Name	M/S	Area	Amount			Q
LITHIUM6	Lithium-6	6	950334				<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1590877				<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1351158				<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	920074				<input checked="" type="checkbox"/>

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Date:

STL Sacramento

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Method: 6020 (SOP: SAC-MT-001)

M01

Reported: 04/28/06 14:11:50

Department: 120 (Metals)

Source: MetEdit

Sample: CCB 10

Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M01

Channel 261

File: 060426B1 # 71

Method 6020_

Acquired: 04/26/2006 21:14:18

M01

Calibrated: 04/26/2006 16:42:19

Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	23	0.07801	1.0	0.078	0.0	<input checked="" type="checkbox"/>
7429-90-5	Aluminum	27	58653	2.2608	50.0	2.1	0.0	<input checked="" type="checkbox"/>
7440-62-2	Vanadium	51	-20974	1.4059	10.0	3.1	0.0	<input checked="" type="checkbox"/>
7440-47-3	Chromium	52	35162	-0.28536	2.0	0.92	0.0	<input checked="" type="checkbox"/>
7439-89-6	Iron	54	110976	0.62010	50.0	17.0	0.0	<input checked="" type="checkbox"/>
7439-89-6	Iron	57	22268	-2.5251	50.0	17.0	0.0	<input checked="" type="checkbox"/>
7439-96-5	Manganese	55	4418	0.10182	1.0	0.083	0.0	<input checked="" type="checkbox"/>
7440-48-4	Cobalt	59	880	0.07230	1.0	0.057	0.0	<input checked="" type="checkbox"/>
7440-02-0	Nickel	60	287	0.05730	2.0	0.098	0.0	<input checked="" type="checkbox"/>
7440-50-8	Copper	65	268	0.05026				
7440-66-6	Zinc	68	1120	-0.47549	5.0	1.0	0.0	<input checked="" type="checkbox"/>
7440-38-2	Arsenic	75	17786	0.39967	2.0	0.50	0.0	<input checked="" type="checkbox"/>
7782-49-2	Selenium	82	421	0.00719	2.0	1.7	0.0	<input checked="" type="checkbox"/>
7439-98-7	Molybdenum	97	2273	1.4977				
7440-22-4	Silver	107	670	0.08789	1.0	0.030	0.0	<input checked="" type="checkbox"/>
7440-43-9	Cadmium	111	110	0.06895	1.0	0.074	0.0	<input checked="" type="checkbox"/>
7440-36-0	Antimony	121	716	0.14142	2.0	0.036	0.0	<input checked="" type="checkbox"/>
7440-39-3	Barium	135	343	0.05974	1.0	0.96	0.0	<input checked="" type="checkbox"/>
7440-28-0	Thallium	205	6849	0.56248	1.0	0.34	0.0	<input checked="" type="checkbox"/>
7439-92-1	Lead	208	2936	0.12356	1.0	0.066	0.0	<input checked="" type="checkbox"/>
CASN	ISTD Name	M/S	Area	Amount				Q
LITHIUM6	Lithium-6	6	973569					<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1601140					<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1974994					<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	995744					<input checked="" type="checkbox"/>

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Date:

STL Sacramento

CALIBRATION REPORT

Method: 6020 (SOP: SAC-MT-001)

M01

Reported: 04/28/06 14:11:50

Department: 120 (Metals)

Source: MetEdit

Sample: CCV 11 (CCV)

Mult: 1.00 Dilf: 1.00 Divs: 1.000

Instrument: ICPMS M01

Channel 261

File: 060426B1 # 80

Method 6020_

Acquired: 04/26/2006 21:53:26

M01

Calibrated: 04/26/2006 16:42:19

Units: ug/L

CASN	Analyte Name	M/S	Area	Found	True	%R	Q
7440-41-7	Beryllium	9	26667	97.393	100.00	97.4	
7429-90-5	Aluminum	27	24485872	5053.1	5100.0	99.1	
7440-62-2	Vanadium	51	1029759	97.155	100.00	97.2	
7440-47-3	Chromium	52	984334	96.749	100.00	96.7	
7439-89-6	Iron	54	3801301	4984.5	5100.0	97.7	
7439-89-6	Iron	57	1549573	4980.0	5100.0	97.6	
7439-96-5	Manganese	55	1463930	98.295	100.00	98.3	
7440-48-4	Cobalt	59	1097857	97.072	100.00	97.1	
7440-02-0	Nickel	60	229604	96.615	100.00	96.6	
7440-50-8	Copper	65	211456	97.829	100.00	97.8	
7440-66-6	Zinc	68	77990	98.829	100.00	98.8	
7440-38-2	Arsenic	75	209615	99.200	100.00	99.2	
7782-49-2	Selenium	82	17626	98.777	100.00	98.8	
7439-98-7	Molybdenum	97	296651	194.22	200.00	97.1	
7440-22-4	Silver	107	355971	50.128	50.000	100	
7440-43-9	Cadmium	111	149736	99.683	100.00	99.7	
7440-36-0	Antimony	121	234936	50.473	50.000	101	
7440-39-3	Barium	135	133294	99.599	100.00	99.6	
7440-28-0	Thallium	205	604026	48.914	50.000	97.8	
7439-92-1	Lead	208	1606731	99.276	100.00	99.3	
CASN	ISTD Name	M/S	Area	Amount			Q
LITHIUM6	Lithium-6	6	979339				<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1656703				<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1394595				<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	955665				<input checked="" type="checkbox"/>

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Date:

STL Sacramento

BLANK REPORT

Method: 6020 (SOP: SAC-MT-001)

M01

Reported: 04/28/06 14:11:50

Department: 120 (Metals)

Source: MetEdit

Sample: CCB 11

Mult: 1.00 Difl: 1.00 Divs: 1.00

Instrument: ICPMS M01

Channel 261

File: 060426B1 # 81

Method 6020

Acquired: 04/26/2006 21:57:47

M01

Calibrated: 04/26/2006 16:42:19

Units: ug/L

CASN	Analyte Name	M/S	Area	Amount	RL	MDL	%RSD	Q
7440-41-7	Beryllium	9	16	0.05354	1.0	0.078	0.0	<input checked="" type="checkbox"/>
7429-90-5	Aluminum	27	60953	2.5735	50.0	2.1	0.0	<input checked="" type="checkbox"/>
7440-62-2	Vanadium	51	-23233	1.2258	10.0	3.1	0.0	<input checked="" type="checkbox"/>
7440-47-3	Chromium	52	35479	-0.30035	2.0	0.92	0.0	<input checked="" type="checkbox"/>
7439-89-6	Iron	54	111932	-0.07473	50.0	17.0	0.0	<input checked="" type="checkbox"/>
7439-89-6	Iron	57	22258	-3.5179	50.0	17.0	0.0	<input checked="" type="checkbox"/>
7439-96-5	Manganese	55	4780	0.12230	1.0	0.083	0.0	<input checked="" type="checkbox"/>
7440-48-4	Cobalt	59	994	0.08140	1.0	0.057	0.0	<input checked="" type="checkbox"/>
7440-02-0	Nickel	60	305	0.06325	2.0	0.098	0.0	<input checked="" type="checkbox"/>
7440-50-8	Copper	65	322	0.07347				
7440-66-6	Zinc	68	1095	-0.52657	5.0	1.0	0.0	<input checked="" type="checkbox"/>
7440-38-2	Arsenic	75	17791	0.28114	2.0	0.50	0.0	<input checked="" type="checkbox"/>
7782-49-2	Selenium	82	444	0.10862	2.0	1.7	0.0	<input checked="" type="checkbox"/>
7439-98-7	Molybdenum	97	2229	1.4443				
7440-22-4	Silver	107	671	0.08757	1.0	0.030	0.0	<input checked="" type="checkbox"/>
7440-43-9	Cadmium	111	125	0.07848	1.0	0.074	0.0	<input checked="" type="checkbox"/>
7440-36-0	Antimony	121	680	0.13285	2.0	0.036	0.0	<input checked="" type="checkbox"/>
7440-39-3	Barium	135	368	0.07777	1.0	0.96	0.0	<input checked="" type="checkbox"/>
7440-28-0	Thallium	205	6217	0.50415	1.0	0.34	0.0	<input checked="" type="checkbox"/>
7439-92-1	Lead	208	3051	0.12884	1.0	0.066	0.0	<input checked="" type="checkbox"/>
CASN	ISTD Name	M/S	Area	Amount				Q
LITHIUM6	Lithium-6	6	977721					<input checked="" type="checkbox"/>
7440-56-4	Germanium	72	1652545					<input checked="" type="checkbox"/>
7440-74-6	Indium	115	1882055					<input checked="" type="checkbox"/>
7440-30-4	Thulium	169	949531					<input checked="" type="checkbox"/>

Reviewed by:

Date:

G6D190132, G6TA190170

STL Sacramento

Method: CV/HG - Mercury (Mercury by Cold Vapor AA)

RUN SUMMARY

Instrument: STL2 (H03)

Reported: 04/27/06 15:33:29

Sequence:	27APR06B	Date:	04/27/06 13:59	Analyst: merritt			ICV:	CAL/CCV:	Comment	Q
#	Sample ID	Lot No.	Batch	Matrix	Raw	DF	Result	Units	%R	Analyzed Date
1	Std01Rep1				0.00	1.0	0.00	ug/L	04/27/06 13:59	
2	Std02Rep1	= 0.200			0.00	1.0	0.00	ug/L	04/27/06 14:00	
3	Std03Rep1	= 0.500			0.00	1.0	0.00	ug/L	04/27/06 14:02	
4	Std04Rep1	= 1.00			0.00	1.0	0.00	ug/L	04/27/06 14:04	
5	Std05Rep1	= 5.00			0.00	1.0	0.00	ug/L	04/27/06 14:05	
6	Std06Rep1	= 10.0			0.00	1.0	0.00	ug/L	04/27/06 14:07	
7	ICV	= 2.00			1.88	1.0	1.88	ug/L	94.0%	04/27/06 14:09
8	ICB				0.01	1.0	0.01	ug/L		04/27/06 14:11
9	H37E4B	G6D260000	6116310		0.00	1.0	0.00	ug/L		04/27/06 14:13
10	H37E4C	G6D260000 = 1.80	6116310		1.05	1.0	0.63	ug/L	35.0%	04/27/06 14:14
11	H37E4L	G6D260000 = 1.80	6116310		1.01	1.0	0.61	ug/L	33.7%	04/27/06 14:16
12	H3EVF	G6D170132-1	6116310	AIR	0.02	1.0	0.01	ug/L		04/27/06 14:17
13	H3EVH	G6D170132-2	6116310	AIR	0.03	1.0	0.02	ug/L		04/27/06 14:19
14	H3EVK	G6D170132-3	6116310	AIR	0.03	1.0	0.02	ug/L		04/27/06 14:21
15	H3EVL	G6D170132-4	6116310	AIR	0.04	1.0	0.02	ug/L		04/27/06 14:23
16	H3EVM	G6D170132-5	6116310	AIR	0.03	1.0	0.02	ug/L		04/27/06 14:25
17	H3EVN	G6D170132-6	6116310	AIR	0.03	1.0	0.02	ug/L		04/27/06 14:26
18	H3EVQ	G6D170132-7	6116310	AIR	0.03	1.0	0.02	ug/L		04/27/06 14:28
19	CCV	= 5.00			5.05	1.0	5.05	ug/L	101.0%	04/27/06 14:30
20	CCB				-0.00	1.0	-0.00	ug/L		04/27/06 14:32
21	H3EVT	G6D170132-8	6116310	AIR	-0.00	1.0	-0.00	ug/L		04/27/06 14:33
22	H3EV2	G6D170132-9	6116310	AIR	0.04	1.0	0.02	ug/L		04/27/06 14:35
23	H3EV3	G6D170132-10	6116310	AIR	0.02	1.0	0.01	ug/L		04/27/06 14:37
24	H3EV6	G6D170132-11	6116310	AIR	0.03	1.0	0.02	ug/L		04/27/06 14:38
25	H3EV7	G6D170132-12	6116310	AIR	0.02	1.0	0.01	ug/L		04/27/06 14:40
26	H3EV8	G6D170132-13	6116310	AIR	0.04	1.0	0.02	ug/L		04/27/06 14:42
27	H3E8B	G6D260000	6116311		0.01	1.0	0.01	ug/L		04/27/06 14:43
28	H3E8C	G6D260000 = 1.80	6116311		0.99	1.0	0.60	ug/L	33.1%	04/27/06 14:45
29	H3E8L	G6D260000 = 1.80	6116311		1.01	1.0	0.61	ug/L	33.7%	04/27/06 14:47
30	H3KFF	G6D190170-1	6116311	AIR	0.03	1.0	0.02	ug/L		04/27/06 14:48
31	CCV	= 5.00			4.97	1.0	4.97	ug/L	99.4%	04/27/06 14:50
32	CCB				-0.02	1.0	-0.02	ug/L		04/27/06 14:52
33	H3KFG	G6D190170-2	6116311	AIR	0.02	1.0	0.01	ug/L		04/27/06 14:54
34	H3KFH	G6D190170-3	6116311	AIR	0.04	1.0	0.02	ug/L		04/27/06 14:55

STL Sacramento

RUN SUMMARY

Method: CVHG - Mercury (Mercury by Cold Vapor AA)

Instrument: STL2 (H03)

Reported: 04/27/06 15:33:29

Sequence:	# Sample ID	Lot No.	Batch	Matrix	Raw	DF	Result	Units	%R	Analyzed Date	CAL/CCV:	Comment	Q
35	H3KFJ	G6D190170-4	6116311	AIR	0.03	1.0	0.02	ug/L		04/27/06 14:58			
36	H3KFL	G6D190170-5	6116311	AIR	0.01	1.0	0.01	ug/L		04/27/06 15:00			
37	H3KFM	G6D190170-6	6116311	AIR	0.03	1.0	0.02	ug/L		04/27/06 15:01			
38	H3KFP	G6D190170-7	6116311	AIR	0.04	1.0	0.02	ug/L		04/27/06 15:03			
39	H3KFQ	G6D190170-8	6116311	AIR	0.05	1.0	0.03	ug/L		04/27/06 15:05			
40	H3KFR	G6D190170-9	6116311	AIR	0.03	1.0	0.02	ug/L		04/27/06 15:06			
41	H3KFT	G6D190170-10	6116311	AIR	0.07	1.0	0.04	ug/L		04/27/06 15:08			
42	H3KFW	G6D190170-11	6116311	AIR	0.02	1.0	0.01	ug/L		04/27/06 15:10			
43	CCV	= 5.00			4.79	1.0	4.79	ug/L	95.8%	04/27/06 15:11			
44	CCB				0.02	1.0	0.02	ug/L		04/27/06 15:13			
45	H3KFW	G6D190170-12	6116311	AIR	0.04	1.0	0.02	ug/L		04/27/06 15:15			
46	H3KFX	G6D190170-13	6116311	AIR	0.05	1.0	0.03	ug/L		04/27/06 15:17			
47	H3KF0	G6D190170-14	6116311	AIR	0.02	1.0	0.01	ug/L		04/27/06 15:18			
48	CCV	= 5.00			4.79	1.0	4.79	ug/L	95.8%	04/27/06 15:20			
49	CCB				0.00	1.0	0.00	ug/L		04/27/06 15:22			

STL Sacramento

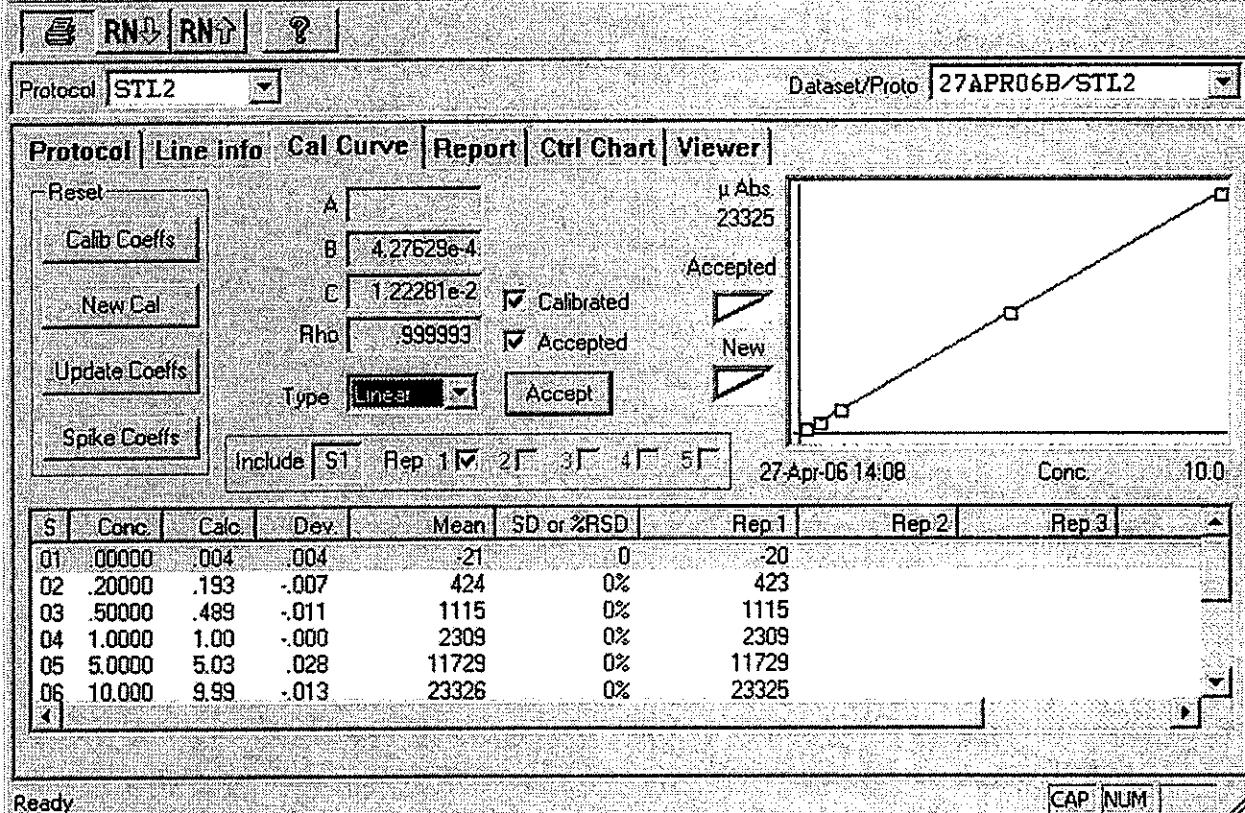
CALIBRATION CHECK SUMMARY

Method: CV/HG - Mercury (Mercury by Cold Vapor AA)

Instrument: STL2 (H03)

Reported: 04/27/06 15:33:37

Sequence:	# Sample ID	Lot No.	Date: 04/27/06 14:09	Matrix	Raw	DF	Result	Units	%R	Analyzed Date	ICV:	CAL/CCV:	Comment	Q
7	ICV	= 2.00					1.88	1.0	1.88 ug/L	94.0%	04/27/06 14:09			
8	ICB						0.01	1.0	0.01 ug/L	101.0%	04/27/06 14:11			
19	CCV	= 5.00					5.05	1.0	5.05 ug/L	101.0%	04/27/06 14:30			
20	CCB						-0.00	1.0	-0.00 ug/L		04/27/06 14:32			
31	CCV	= 5.00					4.97	1.0	4.97 ug/L	99.4%	04/27/06 14:50			
32	CCB						-0.02	1.0	-0.02 ug/L		04/27/06 14:52			
43	CCV	= 5.00					4.79	1.0	4.79 ug/L	95.8%	04/27/06 15:11			
44	CCB						0.02	1.0	0.02 ug/L		04/27/06 15:13			
48	CCV	= 5.00					4.79	1.0	4.79 ug/L	95.8%	04/27/06 15:20			
49	CCB						0.00	1.0	0.00 ug/L		04/27/06 15:22			



CHEMIST INITIAL: NM
 DATE OF RUN: 04/27/06
 INSTRUMENT ID.: H-03
 TYPE OF ANALYSIS: HS
 CALIBRATION STD.: 1767-18-11
 ICV STD.: 1767-18-10
 CCV STD.: 1767-18-11

Line	Conc.	Units	SD/RSD	1	2	3	4	5
				Seq:	1	13:59:10	27 Apr 06	HG
*** Standard: 1 Rep: 1								
Hg	.000	ug/L	-20					
*** Standard: 2 Rep: 1				Seq:	2	14:00:48	27 Apr 06	HG
Hg	.200	ug/L	423					
*** Standard: 3 Rep: 1				Seq:	3	14:02:35	27 Apr 06	HG
Hg	.500	ug/L	1115					
*** Standard: 4 Rep: 1				Seq:	4	14:04:11	27 Apr 06	HG
Hg	1.00	ug/L	2309					
*** Standard: 5 Rep: 1				Seq:	5	14:05:49	27 Apr 06	HG
Hg	5.00	ug/L	11729					
*** Standard: 6 Rep: 1				Seq:	6	14:07:32	27 Apr 06	HG
Hg	10.0	ug/L	23325					

Mercury

Line	Conc.	Units	SD/RSD	1	2	3	4	5
*** Standard: 1 Rep: 1				Seq:	1	13:59:10	27 Apr 06	HG
Hg	.000	ug/L	-20					
*** Standard: 2 Rep: 1				Seq:	2	14:00:48	27 Apr 06	HG
Hg	.200	ug/L	423					
*** Standard: 3 Rep: 1				Seq:	3	14:02:35	27 Apr 06	HG
Hg	.500	ug/L	1115					
*** Standard: 4 Rep: 1				Seq:	4	14:04:11	27 Apr 06	HG
Hg	1.00	ug/L	2309					
*** Standard: 5 Rep: 1				Seq:	5	14:05:49	27 Apr 06	HG
Hg	5.00	ug/L	11729					
*** Standard: 6 Rep: 1				Seq:	6	14:07:32	27 Apr 06	HG
Hg	10.0	ug/L	23325					
*** Sample ID: ICV				Seq:	7	14:09:35	27 Apr 06	HG
Hg	1.88	ug/L	.000 % 1.88					
*** Sample ID: ICB				Seq:	8	14:11:24	27 Apr 06	HG
Hg	.009	ug/L	.000 % .009					
*** Sample ID: H37E4B				Seq:	9	14:13:00	27 Apr 06	HG
				G6D260000-310				
Hg	.002	ug/L	.000 % .002					
*** Sample ID: H37E4C				Seq:	10	14:14:41	27 Apr 06	HG
				G6D260000-310				
Hg	1.05	ug/L	.000 % 1.05					
*** Sample ID: H37E4L				Seq:	11	14:16:17	27 Apr 06	HG
				G6D260000-310				
Hg	1.01	ug/L	.000 % 1.01					
*** Sample ID: H3EVF				Seq:	12	14:17:56	27 Apr 06	HG
				G6D170132-1				
Hg	.021	ug/L	.000 % .021					
*** Sample ID: H3EVH				Seq:	13	14:19:37	27 Apr 06	HG
				G6D170132-2				
Hg	.028	ug/L	.000 % .028					

Line	Conc.	Units	SD/RSD	1	2	3	4	5
<hr/>								
*** Sample ID: H3EVK				Seq:	14	14:21:21	27 Apr 06	HG
				G6D170132-3				
Hg	.030	ug/L	.000	%	.030	<hr/>		
<hr/>								
*** Sample ID: H3EVL				Seq:	15	14:23:30	27 Apr 06	HG
				G6D170132-4				
Hg	.040	ug/L	.000	%	.040	<hr/>		
<hr/>								
*** Sample ID: H3EVM				Seq:	16	14:25:09	27 Apr 06	HG
				G6D170132-5				
Hg	.030	ug/L	.000	%	.030	<hr/>		
<hr/>								
*** Sample ID: H3EVN				Seq:	17	14:26:53	27 Apr 06	HG
				G6D170132-6				
Hg	.030	ug/L	.000	%	.030	<hr/>		
<hr/>								
*** Sample ID: H3EVQ				Seq:	18	14:28:41	27 Apr 06	HG
				G6D170132-7				
Hg	.034	ug/L	.000	%	.034	<hr/>		
<hr/>								
*** Sample ID: CCV				Seq:	19	14:30:27	27 Apr 06	HG
Hg	5.05	ug/L	.000	%	5.05	101.1		
<hr/>								
*** Sample ID: CCB				Seq:	20	14:32:14	27 Apr 06	HG
Hg	-.004	ug/L	.000	%	-.004	<hr/>		
<hr/>								
*** Sample ID: H3EVT				Seq:	21	14:33:52	27 Apr 06	HG
				G6D170132-8				
Hg	-.003	ug/L	.000	%	-.003	<hr/>		
<hr/>								
*** Sample ID: H3EV2				Seq:	22	14:35:29	27 Apr 06	HG
				G6D170132-9				
Hg	.040	ug/L	.000	%	.040	<hr/>		
<hr/>								
*** Sample ID: H3EV3				Seq:	23	14:37:07	27 Apr 06	HG
				G6D170132-10				
Hg	.021	ug/L	.000	%	.021	<hr/>		
<hr/>								
*** Sample ID: H3EV6				Seq:	24	14:38:49	27 Apr 06	HG
				G6D170132-11				
Hg	.034	ug/L	.000	%	.034	<hr/>		
<hr/>								
*** Sample ID: H3EV7				Seq:	25	14:40:29	27 Apr 06	HG
				G6D170132-12				
Hg	.023	ug/L	.000	%	.023	<hr/>		
<hr/>								

Protocol: STL2

POST-RUN REPORT

Line Conc. Units SD/RSD 1 2 3 4 5

*** Sample ID: H3EV8 Seq: 26 14:42:08 27 Apr 06 HG
G6D170132-13
Hg .038 ug/L .000 % .038

*** Sample ID: H37E8B Seq: 27 14:43:46 27 Apr 06 HG
G6D260000-311
Hg .014 ug/L .000 % .014

*** Sample ID: H37E8C Seq: 28 14:45:44 27 Apr 06 HG
G6D260000-311
Hg .994 ug/L .000 % .994 99.41.

*** Sample ID: H37E8L Seq: 29 14:47:21 27 Apr 06 HG
G6D260000-311
Hg 1.01 ug/L .000 % 1.01 101.

*** Sample ID: H3KFF Seq: 30 14:48:58 27 Apr 06 HG
G6D190170-1
Hg .026 ug/L .000 % .026

*** Sample ID: CCV Seq: 31 14:50:56 27 Apr 06 HG
Hg 4.97 ug/L .000 % 4.97 99.41.

*** Sample ID: CCB Seq: 32 14:52:33 27 Apr 06 HG
Hg -.024 ug/L .000 % -.024

*** Sample ID: H3KFG Seq: 33 14:54:10 27 Apr 06 HG
G6D190170-2
Hg .019 ug/L .000 % .019

*** Sample ID: H3KFH Seq: 34 14:55:49 27 Apr 06 HG
G6D190170-3
Hg .040 ug/L .000 % .040

*** Sample ID: H3KFJ Seq: 35 14:58:07 27 Apr 06 HG
G6D190170-4
Hg .026 ug/L .000 % .026

*** Sample ID: H3KFL Seq: 36 15:00:09 27 Apr 06 HG
G6D190170-5
Hg .011 ug/L .000 % .011

*** Sample ID: H3KFM Seq: 37 15:01:47 27 Apr 06 HG
G6D190170-6
Hg .032 ug/L .000 % .032

Protocol: STL2

POST-RUN REPORT

Line	Conc.	Units	SD/RSD	1	2	3	4	5
<hr/>								
*** Sample ID: H3KFP				Seq:	38	15:03:25	27 Apr 06	HG
				G6D190170-7				
Hg	.040	ug/L		.000	%	.040	<hr/>	
<hr/>								
*** Sample ID: H3KFQ				Seq:	39	15:05:09	27 Apr 06	HG
				G6D190170-8				
Hg	.053	ug/L		.000	%	.053	<hr/>	
<hr/>								
*** Sample ID: H3KFR				Seq:	40	15:06:52	27 Apr 06	HG
				G6D190170-9				
Hg	.031	ug/L		.000	%	.031	<hr/>	
<hr/>								
*** Sample ID: H3KFT				Seq:	41	15:08:33	27 Apr 06	HG
				G6D190170-10				
Hg	.069	ug/L		.000	%	.069	<hr/>	
<hr/>								
*** Sample ID: H3KFW				Seq:	42	15:10:16	27 Apr 06	HG
				G6D190170-11				
Hg	.023	ug/L		.000	%	.023	<hr/>	
<hr/>								
*** Sample ID: CCV				Seq:	43	15:11:54	27 Apr 06	HG
Hg	4.79	ug/L		.000	%	4.79	95.81.	<hr/>
<hr/>								
*** Sample ID: CCB				Seq:	44	15:13:51	27 Apr 06	HG
Hg	.023	ug/L		.000	%	.023	<hr/>	
<hr/>								
*** Sample ID: H3KFW				Seq:	45	15:15:30	27 Apr 06	HG
				G6D190170-12				
Hg	.035	ug/L		.000	%	.035	<hr/>	
<hr/>								
*** Sample ID: H3KFX				Seq:	46	15:17:19	27 Apr 06	HG
				G6D190170-13				
Hg	.047	ug/L		.000	%	.047	<hr/>	
<hr/>								
*** Sample ID: H3KF0				Seq:	47	15:18:57	27 Apr 06	HG
				G6D190170-14				
Hg	.017	ug/L		.000	%	.017	<hr/>	
<hr/>								
*** Sample ID: CCV				Seq:	48	15:20:41	27 Apr 06	HG
Hg	4.79	ug/L		.000	%	4.79	95.81.	<hr/>
<hr/>								
*** Sample ID: CCB				Seq:	49	15:22:39	27 Apr 06	HG
Hg	.004	ug/L		.000	%	.004	<hr/>	

SEVERN
TRENT

STL

STL Sacramento

Hg Data Review Checklist

Run Date: 04/27/06 Analyst: Merritt Instrument A-03

Prep Batches Run: 6116310, 6116311

Circle Methods Used: 7470A / 245.1

7471 / 245.5

	Yes	No	N/A	2nd Level
A. Calibration/Instrument Run QC				
1. Instrument calibrated per manufacturer's instructions and at SOP specified levels?	✓			✓
2. ICV/CCV analyzed at appropriate frequency and within control limits?	✓			✓
3. ICB/CCB analyzed at appropriate frequency and within \pm RL?	✓			
B. Sample Results				
1. Were samples with concentrations > the high calibration standard diluted and reanalyzed?		✓		✓
2. All reported results bracketed by in control QC?	✓			✓
3. Sample analyses done within holding time?	✓			✓
C. Preparation/Matrix QC				
1. LCS done per prep batch and within QC limits?	✓			✓
2. Method blank done per prep batch and < RL?	✓			✓
3. MS run at required frequency and within limits?	✓			✓
4. MSD or DU run at required frequency and RPD within SOP limits?	✓			✓
D. Other				
1. Are all nonconformances documented appropriately?		✓		✓
2. Current IDL/MDL data on file?	✓			✓
3. Calculations and transcriptions checked for error?	✓			✓
4. All client / project specific requirements met?	✓			✓
5. Date of analysis verified as correct?	✓			✓

Analyst: Merritt

Date: 04/27/06

Comments:

2nd Level Reviewer: MJZ

Date: 4/28/06

Comments:

Sample Preparation Log

STL SACRAMENTO
Metals - Air Toxics - Preparation Log

Date: 25-Apr-06

Analyst: Phomsophat

Matrix: AIR

Fraction: Filter

SOP:

Method: ICPTRACE

LOT ID		Workorder		Volume Received	Volume Removed	Initial Prep Volume	Final Prep Volume	Batch	Prep Factor
G6D260000	343	H34FMB	2A	NA	NA	NA	100	6116343	1.2
G6D260000	343	H34FMC	2A	NA	NA	NA	100	6116343	1.2
G6D260000	343	H34FML	2A	NA	NA	NA	100	6116343	1.2
G6D190170	1	H3KFF	2A	9	0.75	0.75	100	6116343	1.2
G6D190170	2	H3KFG	2A	9	0.75	0.75	100	6116343	1.2
G6D190170	3	H3KFH	2A	9	0.75	0.75	100	6116343	1.2
G6D190170	4	H3KFJ	2A	9	0.75	0.75	100	6116343	1.2
G6D190170	5	H3KFL	2A	9	0.75	0.75	100	6116343	1.2
G6D190170	6	H3KFM	2A	9	0.75	0.75	100	6116343	1.2
G6D190170	7	H3KFP	2A	9	0.75	0.75	100	6116343	1.2
G6D190170	8	H3KFQ	2A	9	0.75	0.75	100	6116343	1.2
G6D190170	9	H3KFR	2A	9	0.75	0.75	100	6116343	1.2
G6D190170	10	H3KFT	2A	9	0.75	0.75	100	6116343	1.2
G6D190170	11	H3KFV	2A	9	0.75	0.75	100	6116343	1.2
G6D190170	12	H3KFW	2A	9	0.75	0.75	100	6116343	1.2
G6D190170	13	H3KFX	2A	9	0.75	0.75	100	6116343	1.2
G6D190170	14	H3KF0	2A	9	0.75	0.75	100	6116343	1.2
F1685532	Blank	Filter	2A	9	0.75	0.75	100	N/A	1.2

For 1" filter: factor = 9 (9/1)

For 0.75" filter factor = 12 (9/0.75)

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STL Sacramento
Metals Preparation Spiking
Documentation Form

SEVERN
TRENT

STL

Lot # G6D190170

Batch Number:	<u>G0116343</u>	EPA Analytical Method ID:	<u>6010</u>	Spiked Date:	<u>4/25/06</u>
MS Run #:	<u>N/A</u>	EPA Prep Method ID:	<u>2A</u>	Hot Plate Microwave ID:	<u>METPRSPH</u>
Analyst Initial/Date:	<u>TP 4/25/06</u>	Witness Initial/Date:	<u>04/25/06 NM</u>	Observed:	<u>.96</u>
Correct Folder ID				Corrected:	<u>.90</u>
Witness:	<u>N/A</u>				

Check If Used	Bottle Name	Elements	Stock Concentration (mg/L)	Tracking Number	LCS/DCS Volume Spiked	MS/SD Volume Spiked	Expiration Date
✓	ICP Part 1 5% HNO ₃	Ca, Mg Al, As, Ba, Se, Sn, Ti Fe, Mo, Ti Sb, Co, Pb, Mn, Ni, V, Zn Cu Cr Be, Cd Ag	5,000 200 100 50 25 20 5 5.6	TP 4/25/06 1774-MET-6 -17	1.0 mL	N/A	11/2006
✓	ICP Part 2 2% HNO ₃	K, Na P, S B, Li, Sr	5,000 1,000 100	1774-MET-7 7-10	1.0 mL	N/A	11/2006
✓	Si H2O/Tr HF	Si	1,000	1774-MET 7-7	1.0 mL	N/A	2/2007
—	XCAL-45 5% HNO ₃	Al, K, Mg, Ca, Na, Fe, P, B, Si As, Be, Cd, Cr, Co, Cu, Pb, Mn, Mo, Ni, Se, U, V, Zn, Ba, Li, Sr, Ti Sb, Ag, Ti	50 10 2.5				
	Misc. Elements						TP 4/25/06

Prep Reagents:

Check If Used	Reagent	Supplier	Lot Number	Check If Used	Reagent	Supplier	Lot Number
✓	70% HNO ₃	Mallinckrodt	B51037	N/A	30% H ₂ O ₂	Mallinckrodt	N/A
N/A	37% HCl	Mallinckrodt	N/A	N/A	49% HF	Fisher	N/A

ICP matrix spike and LCS: For final volumes of 100ml, add 1ml from bottles ICP Part 1, ICP Part 2. Add 1ml of Silica (Si) when requested.

ICPMS matrix spike and LCS: For final volumes of 100ml, add 2ml of XCAL-45.

Amount to spike is as listed above for final volumes of 100ml. If a different final volume is used, increase or decrease the amount you spike proportionally.

STL SACRAMENTO
Metals - Air Toxics - Preparation Log

Date: 25-Apr-06

Analyst: Phomsophat

Matrix: AIR

Fraction: Filter

SOP:

Method: ICPMS

LOT ID		Workorder		Volume Received	Volume Removed	Initial Prep Volume	Final Prep Volume	Batch	Prep Factor
G6D260000	343	H34FMB	2A	NA	NA	NA	100	6116334	1.2
G6D260000	343	H34FMC	2A	NA	NA	NA	100	6116334	1.2
G6D260000	343	H34FML	2A	NA	NA	NA	100	6116334	1.2
G6D190170	1	H3KFF	2A	9	0.75	0.75	100	6116334	1.2
G6D190170	2	H3KFG	2A	9	0.75	0.75	100	6116334	1.2
G6D190170	3	H3KFH	2A	9	0.75	0.75	100	6116334	1.2
G6D190170	4	H3KFJ	2A	9	0.75	0.75	100	6116334	1.2
G6D190170	5	H3KFL	2A	9	0.75	0.75	100	6116334	1.2
G6D190170	6	H3KFM	2A	9	0.75	0.75	100	6116334	1.2
G6D190170	7	H3KFP	2A	9	0.75	0.75	100	6116334	1.2
G6D190170	8	H3KFQ	2A	9	0.75	0.75	100	6116334	1.2
G6D190170	9	H3KFR	2A	9	0.75	0.75	100	6116334	1.2
G6D190170	10	H3KFT	2A	9	0.75	0.75	100	6116334	1.2
G6D190170	11	H3KFV	2A	9	0.75	0.75	100	6116334	1.2
G6D190170	12	H3KFW	2A	9	0.75	0.75	100	6116334	1.2
G6D190170	13	H3KFX	2A	9	0.75	0.75	100	6116334	1.2
G6D190170	14	H3KF0	2A	9	0.75	0.75	100	6116334	1.2
F1685532	Blank	Filter	2A	9	0.75	0.75	100	N/A	1.2

For 1" filter: factor = 9 (9/1)
For 0.75" filter factor = 12 (9/0.75)

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STL Sacramento
Metals Preparation Spiking
Documentation Form

SEVERN
TRENT

STL

Lot # C6D90170

Batch Number:	<u>601160334</u>	EPA Analytical Method ID:	<u>10020</u>	Spiked Date:	<u>4/25/06</u>
MS Run #:	<u>N/A</u>	EPA Prep Method ID:	<u>2A</u>	Hot Plate Microwave ID:	<u>MET PREP III</u>
Analyst Initial/Date:	<u>TRU/25/06</u>	Witness Initial/Date:	<u>04/26/06 NM</u>	Hot Plate Temp	<u>Observed: 90 Corrected: 90</u>
Correct Folder ID	<u>N/A</u>				
Witness:					

Check If Used	Bottle Name	Elements	Stock Concentration (mg/L)	Tracking Number	LCS/DCS Volume Spiked	MS/SD Volume Spiked	Expiration Date
	ICP Part 1 5% HNO ₃	Ca, Mg Al, As, Ba, Sc, Sn, Ti Fe, Mo, Ti Sb, Co, Pb, Mn, Ni, V, Zn Cu	5,000 200 100 50 25				
		Cr .Be, Cd Ag	20 5 5.6				
	ICP Part 2 2% HNO ₃	K, Na P, S	5,000 1,000				
		B, Li, Sr	100				
	Si H2O/Tr HF	Si	1,000				TP 4/25/06
✓	XCAL-45 5% HNO ₃	Al, K, Mg, Ca, Na, Fe, P, B, Si As, Be, Cd, Cr, Co, Cu, Pb, Mn, Mo, Ni, Se, U, V, Zn, Ba, Li, Sr, Ti Sb, Ag, Ti	50 10 2.5	1774-MET-78	2.0 mL	N/A	2/2007
	Misc. Elements						TP 4/25/06

Prep Reagents:

Check If Used	Reagent	Supplier	Lot Number	Check If Used	Reagent	Supplier	Lot Number
✓	70% HNO ₃	Mallinckrodt	<u>B51037</u> <u>B15637</u> TP 4/25/06	N/A	30% H ₂ O ₂	Mallinckrodt	N/A
N/A	37% HCl	Mallinckrodt	N/A	N/A	49% HF	Fisher	N/A

ICP matrix spike and LCS: For final volumes of 100ml, add 1ml from bottles ICP Part 1, ICP Part 2. Add 1ml of Silica (Si) when requested.

ICPMS matrix spike and LCS: For final volumes of 100ml, add 2ml of XCAL-45.

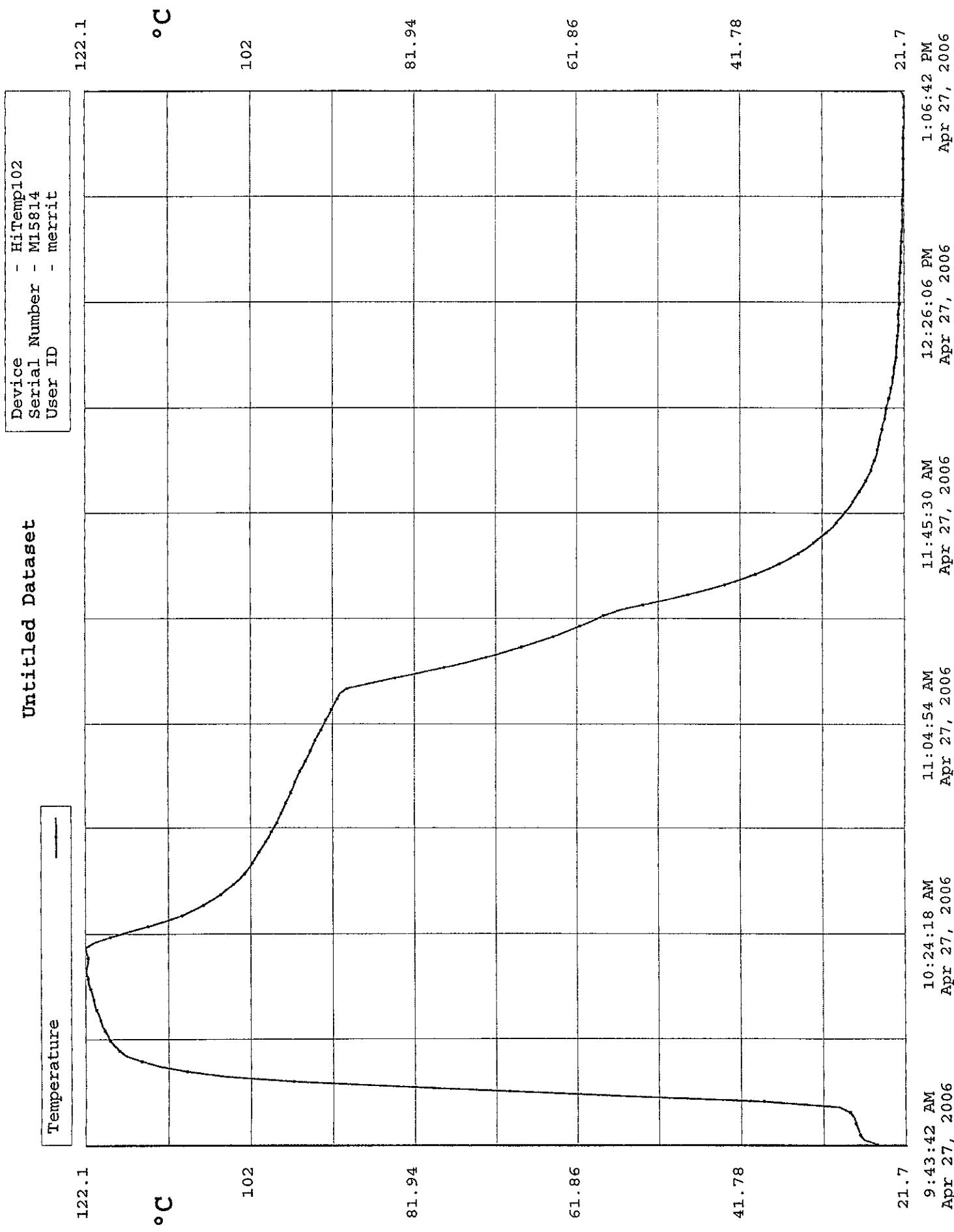
Amount to spike is as listed above for final volumes of 100ml. If a different final volume is used, increase or decrease the amount you spike proportionally.

STL Sacramento
Mercury Sample Preparation Log

STL Lot Number	WO #	pH	Matrix	Wt/Vol	Final Vol.	Chemist:	merritn	Date:	04/27/06
0	Std1Rep1	NA	AQUEOUS	50	50	SOP#:	SAC-MT-0005		
0.2	Std2Rep1	NA	AQUEOUS	50	50	Autoclave: Start Time:	9:45	End:	11:00
0.5	Std3Rep1	NA	AQUEOUS	50	50	Balance ID:	QA-007	Calibrated:	NA
1	Std4Rep1	NA	AQUEOUS	50	50	STANDARDS:			
5	Std5Rep1	NA	AQUEOUS	50	50	Initial Calibration Standard (ICV):			
10	Std6Rep1	NA	AQUEOUS	50	50	Lot#: 1767-18-10		Conc:	100 ppb
ICV	ICV	NA	AQUEOUS	50	50	Calibration Stds./CCV/Matrix Spike/LCSW			
ICB	ICB	NA	AQUEOUS	50	50	Lot#: 1767-18-11		Conc:	100 ppb
G6D260000-310	H37E4B		AQUEOUS	50	50	SOIL (0.6g/50ml)			
G6D260000-310	H37E4C		AQUEOUS	50	50	Curve/QC (ppb)		Spike Volume	
G6D260000-310	H37E4L		AQUEOUS	50	50	0.0		0.0 ul	
G6D170132-1	H3EVF		Filter	0.75	50	0.2		100 ul	
G6D170132-2	H3EVH		Filter	0.75	50	0.5		250 ul	
G6D170132-3	H3EVK		Filter	0.75	50	1.0		0.5 ml	
G6D170132-4	H3EVL		Filter	0.75	50	5.0		2.5 ml	
G6D170132-5	H3EVM		Filter	0.75	50	10.0		5.0 ml	
G6D170132-6	H3EVN		Filter	0.75	50	CCV/5.0		2.5 ml	
G6D170132-7	H3EVQ		Filter	0.75	50	LCS/1.0		0.6g/0.5 ml	
G6D170132-8	H3EVT		Filter	0.75	50	MS/SD/3.0		1.5 ml	
G6D170132-9	H3EV2		Filter	0.75	50	ICV/2.0		1.0 ml	
G6D170132-10	H3EV3		Filter	0.75	50				
G6D170132-11	H3EV6		Filter	0.75	50	WATER (30/30ml) , DI Leach (30/30)			
G6D170132-12	H3EV7		Filter	0.75	50	STLC (3/30 ml) , TCLP (6/30ml)			
G6D170132-13	H3EV8		Filter	0.75	50	Curve/QC (ppb)		Spike Volume	
G6D260000-311	H37E8B		AQUEOUS	50	50	0.0		0.0 ul	
G6D260000-311	H37E8C		AQUEOUS	50	50	0.2		60 ul	
G6D260000-311	H37E8L		AQUEOUS	50	50	0.5		150 ul	
G6D190170-1	H3KFF		Filter	0.75	50	1.0		300 ul	
G6D190170-2	H3KFG		Filter	0.75	50	5.0		1.5 ml	
G6D190170-3	H3KFH		Filter	0.75	50	10.0		3.0 ml	
G6D190170-4	H3KFJ		Filter	0.75	50	CCV/5.0		1.5 ml	
G6D190170-5	H3KFL		Filter	0.75	50	LCS/1.0		300 ul	
G6D190170-6	H3KFM		Filter	0.75	50	MS/SD/1.0		300 ul	
G6D190170-7	H3KFP		Filter	0.75	50	ICV/2.0		600 ul	
G6D190170-8	H3KFQ		Filter	0.75	50				
G6D190170-9	H3KFR		Filter	0.75	50	REAGENTS:			
G6D190170-10	H3KFT		Filter	0.75	50	HNO3 Lot#: B46024			
G6D190170-11	H3KFV		Filter	0.75	50	H2SO4 Lot#: B05H10			

STL Sacramento
Mercury Sample Preparation Log

STL Lot Number	WO #	pH	Matrix	Wt/Vol	Final Vol.	Chemist:	merritn	Date:	04/27/06
G6D190170-12	H3KFW		Filter	0.75	50		KMnO4 Lot# 2626-MET-34-4		
G6D190170-13	H3KFX		Filter	0.75	50		K2S2O8 Lot#: 2626-MET-36-2		
G6D190170-14	H3KF0		Filter	0.75	50		NaCl(NH2OH)2 2626-36-5:		
CCV			AQUEOUS	50	50		SnCl2 Lot#:2626-37-4		
CCV			AQUEOUS	50	50				
CCB			AQUEOUS	50	50				
CCB			AQUEOUS	50	50				



Device Name: HiTemp102
Device Description: Temperature Recorder
Serial Number: M15814
User ID: merrit

Reading Number	Date and Time	Channel 1 Temperature (°C)
1	2006-04-27 09:43:42	25.2
2	2006-04-27 09:44:42	26.9
3	2006-04-27 09:45:42	27.3
4	2006-04-27 09:46:42	27.5
5	2006-04-27 09:47:42	27.8
6	2006-04-27 09:48:42	28
7	2006-04-27 09:49:42	28.5
8	2006-04-27 09:50:42	29.8
9	2006-04-27 09:51:42	39
10	2006-04-27 09:52:42	55.4
11	2006-04-27 09:53:42	70.3
12	2006-04-27 09:54:42	84.4
13	2006-04-27 09:55:42	96.8
14	2006-04-27 09:56:42	105
15	2006-04-27 09:57:42	109.8
16	2006-04-27 09:58:42	113.2
17	2006-04-27 09:59:42	115.3
18	2006-04-27 10:00:42	117.1
19	2006-04-27 10:01:42	118
20	2006-04-27 10:02:42	118.6
21	2006-04-27 10:03:42	119.1
22	2006-04-27 10:04:42	119.4
23	2006-04-27 10:05:42	119.8
24	2006-04-27 10:06:42	120.1
25	2006-04-27 10:07:42	120.3
26	2006-04-27 10:08:42	120.5
27	2006-04-27 10:09:42	120.8
28	2006-04-27 10:10:42	121
29	2006-04-27 10:11:42	121.1
30	2006-04-27 10:12:42	121.3
31	2006-04-27 10:13:42	121.5
32	2006-04-27 10:14:42	121.7
33	2006-04-27 10:15:42	121.8
34	2006-04-27 10:16:42	122
35	2006-04-27 10:17:42	122
36	2006-04-27 10:18:42	121.8
37	2006-04-27 10:19:42	121.8
38	2006-04-27 10:20:42	122
39	2006-04-27 10:21:42	122.1
40	2006-04-27 10:22:42	121.1
41	2006-04-27 10:23:42	119.1
42	2006-04-27 10:24:42	116.8
43	2006-04-27 10:25:42	114.5
44	2006-04-27 10:26:42	112.3
45	2006-04-27 10:27:42	110.4

46	2006-04-27 10:28:42	109
47	2006-04-27 10:29:42	107.8
48	2006-04-27 10:30:42	106.7
49	2006-04-27 10:31:42	105.7
50	2006-04-27 10:32:42	104.9
51	2006-04-27 10:33:42	104.1
52	2006-04-27 10:34:42	103.4
53	2006-04-27 10:35:42	102.8
54	2006-04-27 10:36:42	102.3
55	2006-04-27 10:37:42	101.8
56	2006-04-27 10:38:42	101.4
57	2006-04-27 10:39:42	101

AIR, PM-10 & TSP

RQC050

Severn Trent Laboratories, Inc.
WET CHEM BATCHSHEETRun Date: 4/26/06
Time: 17:37:04

STL Sacramento

PRODUCTION FIGURES - WET CHEM

TOTAL NUMBER	SAMPLE NUMBER	RE-RUN QC	RE-RUN MATRIX	MISC NUMBER	TOTAL HOURS	EXPANDED DELIVERABLE

METHOD: JR Particulate Matter as PM10 "PM10 HiVol" (CFR50-J)

QC BATCH #: 6116575

INITIALS:

DATA ENTRY:

PREP DATE: 4/21/06 9:13

PREP

INITIALS

COMP DATE: 4/21/06 15:20

ANAL

DATE

USER: VALMORES

Work Order	Lab Number	Structured	Exp.	Analysis	Sample ID:
		Analysis	Del.	Date	
H3KFF-1-AA	G-6D190170-001	XX S 88 JR 01	Y-D	4/21/06	P-0591
H3KFG-1-AD	G-6D190170-002	XX S 88 JR 01	Y-D		P-0592
H3KFH-1-AD	G-6D190170-003	XX S 88 JR 01	Y-D		P-0593
H3KFJ-1-AD	G-6D190170-004	XX S 88 JR 01	Y-D		P-0594
H3KFL-1-AD	G-6D190170-005	XX S 88 JR 01	Y-D		P-0595
H3KFM-1-AD	G-6D190170-006	XX S 88 JR 01	Y-D		P-0596
H3KFP-1-AD	G-6D190170-007	XX S 88 JR 01	Y-D	7	P-0597

Control Limits

STL Sacramento

Air Toxics Laboratory

**SEVERN
TRENT**

STL

PARTICULATE ANALYSIS

LEVEL 1 & 2 REVIEW CHECKLIST

LAB NUMBERS:

66D19040-157

Batch #:

6116575

ANALYSIS: (circle)

TSP/PM19

METHOD 5

DATE: 4/26/00

ANALYST: D. Amore

LEVEL 1 ANALYSIS REVIEW

1. Samples are in good condition.
 2. Sample filter number matches the folder or petri ID number.
 3. Desiccator temperature and % humidity criteria in control.
 4. Balance calibration criteria met.
 5. Beginning and ending calibration sample bracket weights are in calibration.
 6. Samples reached stable weight
 7. Samples exceeded 5 consecutive final weighings.

LEVEL 1 DATA REVIEW

1. Benchsheet is complete.
 2. QAS or QAPP consulted and followed for client specifics.
 3. Data entered in properly.
 4. Copy of spreadsheet or logbook raw data entry attached to data package.
 5. Analyst observations, HTV's, Anomalies properly documented and attached to data package.

Completed By & Date:

LEVEL 2 REVIEW:

1. Level 1 checklist complete and verified.
 2. Deviations, Anomalies, Holding times checked and approved.
 3. Reanalysis documented and chemist notified.
 4. Client specific criteria met.
 5. Data entry checked and released in Quantims.
 6. Indication on benchsheet or spreadsheet on review and released (dated & signed).

Completed By & Date:

Comments:

Severn Trent Laboratories
AIR TOXICS GRAVIMETRIC ANALYSES

WEST SACRAMENTO

Lab ID	Filter ID	Initial Weight (g) date/time initials	Initial Weight (g) date/time initials	Final Weight (g) date/time initials	Wt of Particulate (g)			
	5 g wt	5.000	5.0004	4.9999	5.0002	4.9998		-0.0006
H3EVL	pmbc030706-586	030706skv1039	030706skv1653	042106skv0913	042106skv1513	042206skv0918		0.0048
H3EV/M	pmbc030706-587	030706skv1039	030706skv1653	042106skv0914	042106skv1514			0.0044
H3EVN	pmbc030706-588	030706skv1040	030706skv1654	042106skv0915	042106skv1515			0.0042
H3EVQ	pmbc030706-589	030706skv1040	030706skv1655	042106skv0915	042106skv1516	042206skv0918		0.0021
H3EV/T	pmbc030706-590	030706skv1040	030706skv1656	042106skv0915	042106skv1516			-0.0025
H3KFF	pmbc030706-591	030706skv1041	030706skv1656	042106skv0917	042106skv1516			0.0070
H3KFG	pmbc030706-592	030706skv1041	030706skv1657	042106skv0918	042106skv1517			0.0084
H3KFH	pmbc030706-593	030706skv1042	030706skv1658	042106skv0919	042106skv1517			0.0074
H3KFJ	pmbc030706-594	030706skv1042	030706skv1658	042106skv0919	042106skv1518			0.0103
H3KFL	pmbc030706-595	030706skv1043	030706skv1659	042106skv0919	042106skv1518			0.0080
	5 g wt	5.0005	5.0003	5.0000	4.9998	4.9998		-0.0005
H3KFM	pmbc030706-596	030706skv1044	030706skv1700	042106skv0920	042106skv1519			0.0080
H3KFP	pmbc030706-597	030706skv1044	030706skv1700	042106skv0920	042106skv1519			0.0077
	pmbc030706-598	030706skv1045	030706skv1700				NC	

Severn Trent Laboratories
AIR TOXICS GRAVIMETRIC ANALYSES

WEST SACRAMENTO

Lab ID	Filter ID	Initial Weight (g) date/time initials	Initial Weight (g) date/time initials	Final Weight (g) date/time initials	Wt of Particulate (g)			
pmbc030706-599	030706skv1045	4.4603	4.4603	030706skv1701				NC
pmbc030706-600	030706skv1045	4.4659	4.4659	030706skv1702				NC
5 g wt	030706skv1047	5.0000	5.0002	4.9998	4.9998	042106skv0921	042106skv1520	-0.0004

PDE115

Severn Trent Laboratories, Inc.
Inorganics Batch Review
QC Batch 6116575

Date 4/28/2006
Time 12:48:39

Method Code:JR Particulate Matter as PM10 "PM10 HiVol" (CFR50-J)
Analyst:Steve Valmores

Work Order	Result	Units	LDL/Dil	Prep. - Anal.	Total Solids	PSRL Flag	R/R	Rounded Result	Output LDL	Dil.
	0.0070	g	0.0001	04/21/06	.00	N	R	0.0084	0.0001	1.00
H3KFF-1-AA	0.0084	g	0.0001	04/21/06	.00	N	R	0.0084	0.0001	1.00
H3KFG-1-AD	0.0074	g	0.0001	04/21/06	.00	N	R	0.0074	0.0001	1.00
H3KFH-1-AD	0.0103	g	0.0001	04/21/06	.00	N	R	0.0103	0.0001	1.00
H3KFJ-1-AD	0.0080	g	0.0001	04/21/06	.00	N	R	0.0080	0.0001	1.00
H3KFL-1-AD	0.0080	g	0.0001	04/21/06	.00	N	R	0.0080	0.0001	1.00
H3KFM-1-AD	0.0077	g	0.0001	04/21/06	.00	N	R	0.0077	0.0001	1.00

Notes:

TEST	TOTAL #	SAMPLE #	PRODUCTION TOTALS	QC #	MATRIX #	OTHER #	MISC #	HOURS
	0	0	0	0	0	0	0	.0

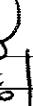
RQC050

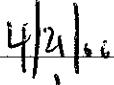
Severn Trent Laboratories, Inc.
WET CHEM BATCHSHEETRun Date: 4/26/06
Time: 17:38:46

STL Sacramento

PRODUCTION FIGURES - WET CHEM

TOTAL <u>NUMBER</u>	SAMPLE <u>NUMBER</u>	RE-RUN <u>QC</u>	RE-RUN <u>MATRIX</u>	MISC <u>NUMBER</u>	TOTAL <u>HOURS</u>	EXPANDED <u>DELIVERABLE</u>

METHOD: AO Particulates in Air, Suspended "TSP HiVol" (APP B)
 QC BATCH #: **6116572** INITIALS:  DATA ENTRY 
 PREP DATE: 4/21/06 9:04 PREP  INITIALS 
 COMP DATE: 4/22/06 9:14 ANAL  DATE 
 USER: VALMORES

Work Order	Lab Number	Structured	Exp.	Analysis	Sample ID:
		Analysis	Del.	Date	
H3KFQ-1-AA	G-6D190170-008	XX S 88 AO 3W	Y-D		000423
H3KFR-1-AD	G-6D190170-009	XX S 88 AO 3W	Y-D		000424
H3KFT-1-AF	G-6D190170-010	XX S 88 AO 3W	Y-D		000425
H3KFW-1-A2	G-6D190170-011	XX S 88 AO 3W	Y-D		000426
H3KFW-1-AF	G-6D190170-012	XX S 88 AO 3W	Y-D		000427
H3KFX-1-AF	G-6D190170-013	XX S 88 AO 3W	Y-D		000428
H3KF0-1-A2	G-6D190170-014	XX S 88 AO 3W	Y-D		000429

Control Limits

STL Sacramento
Air Toxics Laboratory

**SEVERN
TRENT**

STL

PARTICULATE ANALYSIS

LEVEL 1 & 2 REVIEW CHECKLIST

LAB NUMBERS:

(G)190A0 - 8 - 14

Batch #: 6116 572

ANALYSIS: (circle)

TSP/PM10

or METHOD 5

DATE: 4/26/01

ANALYST: S. Adams

LEVEL 1 ANALYSIS REVIEW

1. Samples are in good condition.
2. Sample filter number matches the folder or petri ID number.
3. Desiccator temperature and % humidity criteria in control.
4. Balance calibration criteria met.
5. Beginning and ending calibration sample bracket weights are in calibration.
6. Samples reached stable weight.
7. Samples exceeded 5 consecutive final weighings.

YES	NO	NA
✓		
✓		
✓		
✓		
✓		
✓		
✓		
✓		

LEVEL 1 DATA REVIEW

1. Benchsheet is complete.
2. QAS or QAPP consulted and followed for client specifics.
3. Data entered in properly.
4. Copy of spreadsheet or logbook raw data entry attached to data package.
5. Analyst observations, HTV's, Anomalies properly documented and attached to data package.

Completed By & Date: SB 4/26/01

LEVEL 2 REVIEW:

1. Level 1 checklist complete and verified.
2. Deviations, Anomalies, Holding times checked and approved.
3. Reanalysis documented and chemist notified.
4. Client specific criteria met.
5. Data entry checked and released in Quantims.
6. Indication on benchsheet or spreadsheet on review and released (dated & signed).

Completed By & Date: SB 4/26/01

Comments: des ZA

✓		
✓		
✓		
✓		
✓		
✓		
✓		
✓		

Severn Trent Laboratories
AIR TOXICS GRAVIMETRIC ANALYSES

WEST SACRAMENTO

Lab ID	Filter ID	Initial Weight (g) date/time initials	Initial Weight (g) date/time initials	Final Weight (g) date/time initials	Wt of Particulate (g)			
	5 g wt	5.0003 030706skv1019	5.0005 030706skv1639	4.9998 042106skv0902	5.0001 042206skv0912			-0.0004 0.0194
H2DTP	bctsp030706- 411	4.3284 030706skv1019	4.3284 030706skv1639	4.3483 040506skv1020	4.3478 040606skv1546			0.0118
H2DTQ	bctsp030706- 412	4.3315 030706skv1019	4.3319 030706skv1640	4.3434 040506skv1020	4.3437 040606skv1546			0.0122 0.0170
H2DTR	bctsp030706- 413	4.3140 030706skv1020	4.3135 030706skv1640	4.3253 040506skv1020	4.3257 040606skv1546			
H2DTT	bctsp030706- 414	4.3206 030706skv1020	4.3206 030706skv1642	4.3306 040506skv1021	4.3379 040606skv1547			0.0125
H2DTW	bctsp030706- 415	4.3163 030706skv1020	4.3167 030706skv1642	4.3292 040506skv1021	4.3292 040606skv1547			0.0167
H2DTX	bctsp030706- 416	4.2974 030706skv1021	4.2976 030706skv1642	4.3140 040506skv1022	4.3143 040606skv1547			0.0151
H3EV2	bctsp030706- 417	4.2689 030706skv1021	4.2689 030706skv1643	4.2840 042106skv0902	4.2840 042106skv1507			0.0081
H3EV3	bctsp030706- 418	4.2818 030706skv1021	4.2818 030706skv1643	4.2880 042106skv0903	4.2894 042106skv1508	4.2899 042206skv0913		0.0095
H3EV6	bctsp030706- 419	4.3166 030706skv1021	4.3161 030706skv1643	4.3226 042106skv0903	4.3258 042106skv1509	4.3256 042206skv0913		NC
	bctsp030706- 420	4.3358 030706skv1022	4.3358 030706skv1644					
	5 g wt	5.0000 030706skv1023	5.0000 030706skv1644	4.9999 040506skv1022	5.0001 040606skv1548	4.9998 040706skv1007		-0.0002 0.0001
	5 g wt	5.0000 030706skv1023	5.0000 030706skv1644	4.9997 040506skv1022	5.0001 040606skv1548	4.9998 040706skv1007		
H3EV7	bctsp030706- 421	4.3611 030706skv1023	4.3614 030706skv1645	4.3718 042106skv0905	4.3723 042106skv1509			0.0109
H3EV8	bctsp030706- 422	4.3679 030706skv1023	4.3682 030706skv1645	4.3815 042106skv0905	4.3828 042106skv1510	4.3827 042206skv0914		0.0145

Severn Trent Laboratories
AIR TOXICS GRAVIMETRIC ANALYSES

WEST SACRAMENTO

Lab ID	Filter ID	Initial Weight (g) date/time initials	Initial Weight (g) date/time initials	Final Weight (g) date/time initials	Wt of Particulate (g)			
H3KFQ	bctsp030706-423	4.2817	4.2812	4.3112	4.3117			0.0305
H3KFR	bctsp030706-424	030706skv1023	030706skv1645	042106skv0906	042106skv1510			0.0210
H3KFT	bctsp030706-425	4.2874	4.2782	4.2995	4.2992			0.0247
	5 g wt	030706skv1024	030706skv1646	042106skv0906	042106skv1510			-0.0005
		030706skv1024	030706skv1647	042106skv0907	042106skv1511	042206skv0914		

Severn Trent Laboratories
AIR TOXICS GRAVIMETRIC ANALYSES

WEST SACRAMENTO

Lab ID	Filter ID	Initial Weight (g) date/time initials	Initial Weight (g) date/time initials	Final Weight (g) date/time initials	Wt of Particulate (g)			
	5 g wt	5.001	4.999	4.9997	5.001			0.0002
H3KFX	bctsp032706-426	032806pgr0832	032906skv1027	042106skv0907	042106skv1502			0.0353
H3FW	bctsp032706-427	4.3545	4.3543	4.3894	4.3896			0.0220
H3KFX	bctsp032706-428	032806pgr0834	032906skv1029	042106skv0908	042106skv1503			0.0242
H3KFO	bctsp032706-429	4.3499	4.3495	4.3739	4.3737			-0.0015
	bctsp032706-430	032806pgr0835	032906skv1029	042106skv0908	042106skv1504			
	bctsp032706-431	4.3586	4.3591	4.3572	4.3576			
	bctsp032706-432	032806pgr0836	032906skv1030	042106skv0909	042106skv1504			
	bctsp032706-433	4.3433	4.3437					NC
	bctsp032706-434	4.3618	4.3619					NC
	bctsp032706-435	032806pgr0838	032906skv1031					NC
	bctsp032706-436	4.3437	4.3441					NC
	bctsp032706-437	032806pgr0838	032906skv1031					NC
	bctsp032706-438	4.3435	4.3438					NC
	bctsp032706-439	032806pgr0839	032906skv1031					NC
	bctsp032706-440	4.3494	4.3499					NC
	bctsp032706-441	032806pgr0839	032906skv1032					NC
	bctsp032706-442	4.3492	4.3496					NC
	bctsp032706-443	032806pgr0840	032906skv1034					0.0004
	bctsp032706-444	4.9998	4.9997	4.9998	5.0001	042106skv0909	042106skv1504	
		5 g wt	032806pgr0844	032906skv1034				

PDE115

Severn Trent Laboratories, Inc.
Inorganics Batch Review
QC Batch
6116572

Date 4/28/2006
Time 12:51:55

Method Code:AO Particulates in Air, Suspended "TSP Hivol" (APP B)
Analyst: Steve Valmores

Work Order	Result	Units	LDL/Dil	Prep. - Anal.	Total Solids	PSRL Flag	Rounded Result	Output LDL	Dil.
H3KFO-1-AA	0.0305	g	0.0001	04/21/06	.00	N	R	0.0001	1.00
H3KFR-1-AD	0.0210	g	0.0001	04/21/06	.00	N	R	0.0210	1.00
H3KFT-1-AF	0.0247	g	0.0001	04/21/06	.00	N	R	0.0247	1.00
H3KFW-1-A2	0.0353	g	0.0001	04/21/06	.00	N	R	0.035	1.00
H3KFW-1-AF	0.0220	g	0.0001	04/21/06	.00	N	R	0.022	1.00
H3KFX-1-AF	0.0242	g	0.0001	04/21/06	.00	N	R	0.024	1.00
H3KFO-1-A2	ND	g	0.0001	04/21/06	.00	N	ND	0.00010	1.00

Notes:

TEST	TOTAL #	SAMPLE #	PRODUCTION QC #	TOTALS MATRIX #	OTHER #	MISC #	HOURS
	0	0	0	0	0	0	.0